

Converting Colors

XYZ(80.3371, 92.9623, 62.1964)

Have a look what the booklet for
XYZ(80.3371, 92.9623, 62.1964)
contains.

XYZ(80.3327, 92.9520, 62.4228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.3327, 92.9520,
62.4228)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFEBE
RGB	239, 254, 190
RGB Percent	94%, 100%, 75%
CMY	0.0627, 0.0039, 0.2549
CMYK	0.06, 0.00, 0.25, 0.00
HSL	74°, 97%, 87%
HSV	74°, 25%, 100%
XYZ	80.3327, 92.9520, 62.4228
YIQ	242.2190, 11.6040, -23.0840

Conversions

Conversions Part 2

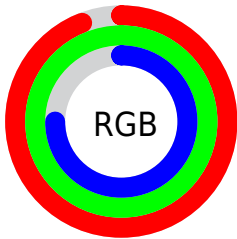
Format	Color
RYB	190, 254, 205
Decimal	15728318
CIELab	97.21, -15.23, 29.04
CIElCh	97, 32.790, 117.670
Yxy	92.9520, 0.3408, 0.3944
Android (android.graphics.Color)	4293918398 (0xFFEFFEBE)
YUV	242.2190, -25.7440, -2.8231
Hunter-Lab	96.4116, -19.9894, 29.1001

Details

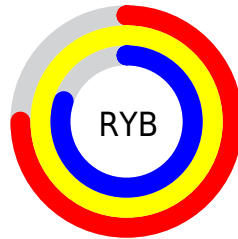
The XYZ color **80.3327, 92.9520, 62.4228** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4833, 56.9643, 101.5257**, and the grayscale version is **84.7647, 89.1790, 97.1160**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **43.7016, 51.6552, 30.9597** is the 20% darker color. If you saturate the color by 10%, you get **75.8183, 90.9209, 48.9610**, and if you desaturate by 10%, it is **85.4021, 95.2190, 78.4398**.

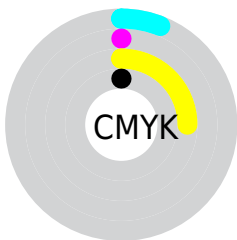
Distribution



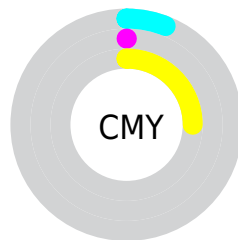
- Red (94%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (80%)



- Cyan (6%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3327, 92.9520, 62.4228 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.3327, 92.9520, 62.4228 by changing the saturation by 10% instead.


 80.3327, 92.9520,
62.4228

 80.3327, 92.9520,
62.4228


484.7728,
537.5875, 451.5218

 60.3016, 70.4316,
44.9364


 132.7815,
151.4322, 109.9139

 43.9122, 51.8785,
31.0648


165.9298,
188.1607, 140.7557

 30.7991, 36.9082,
20.3893


204.1813,
230.3941, 176.8863

 20.5970, 25.1364,
12.4915

247.9012,
278.5167, 218.7244

 12.9405, 16.1787,
6.9527

297.4550,
332.9130, 266.6885

 7.4643, 9.6507,
3.3546

353.2079,

 3.8030, 5.1680,

393.9673, 321.1970

1.2784

415.5254,
462.0640, 382.6686

■ 1.5913, 2.3462,
0.0440

■ 0.3867, 0.7980,
0.0000

■ 80.3327, 92.9520,
62.4228

■ 80.3327, 92.9520,
62.4228

■ 75.8183, 90.9209,
48.9610

■ 85.4021, 95.2190,
78.4398

■ 71.8258, 89.1031,
37.9162

■ 91.0431, 97.7193,
97.1286

■ 68.3298, 87.4913,
29.1463

94.7337, 99.3674,
108.7946

■ 65.2992, 86.0731,
22.4918

■ 62.6993, 84.8346,
17.7726

■ 60.4895, 83.7593,
14.7790

■ 58.6200, 82.8274,
13.2519

■ 57.8090, 82.4172,
12.8613

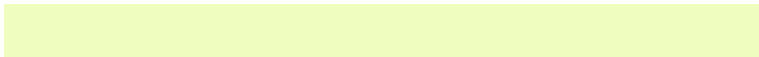
Harmonies

Analogous

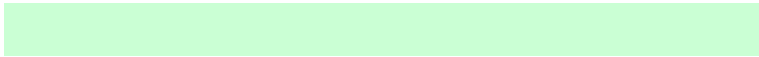
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0740, 92.9520, 58.3199



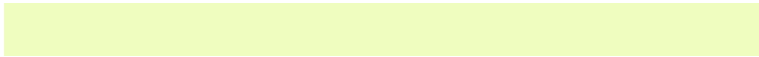
80.3327, 92.9520, 62.4228



74.1370, 92.9520, 76.3081

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3327, 92.9520, 62.4228



79.1615, 92.9520, 150.7170



107.3652, 92.9520, 103.2965

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.3327, 92.9520, 62.4228



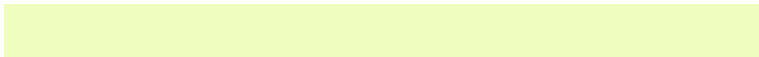
61.4833, 56.9643, 101.5257

Split Complementary

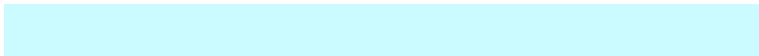
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.2682, 92.9520, 131.0112



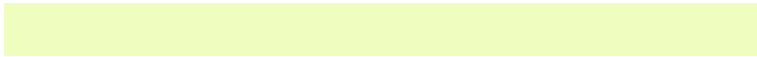
80.3327, 92.9520, 62.4228



87.6261, 92.9520, 161.2074

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



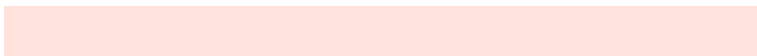
80.3327, 92.9520, 62.4228



73.4948, 92.9520, 126.7918



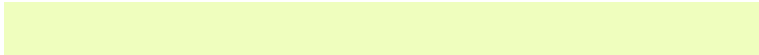
96.8797, 92.9520, 153.4370



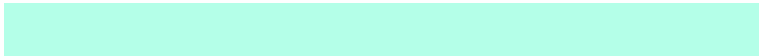
105.0788, 92.9520, 79.3218

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3327, 92.9520, 62.4228



72.0658, 92.9520, 90.7031



96.8797, 92.9520, 153.4370



106.9148, 92.9520, 112.4962

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.3351, 92.9561, 62.4248



90.1999, 97.8592, 92.4293



71.9859, 68.4221, 58.1293



19.1205, 20.8635, 19.1636



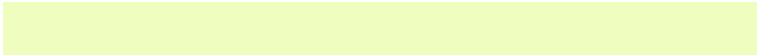
0.0000, 0.0000, 0.0000



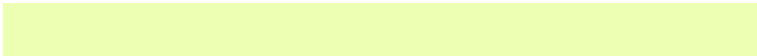
20.3446, 21.4041, 23.3091

Same Dimension

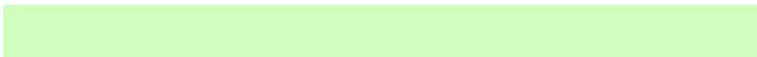
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3351, 92.9561, 62.4248



78.7930, 92.7702, 56.1368



70.4899, 87.8807, 61.9640



19.1205, 20.8635, 19.1636



30.6129, 43.5196, 6.7867



3.0765, 4.2868, 0.6653

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.4833, 56.9643, 101.5257



56.9483, 51.0543, 101.4607



71.2088, 61.9780, 101.9808



17.4015, 17.5832, 22.7267



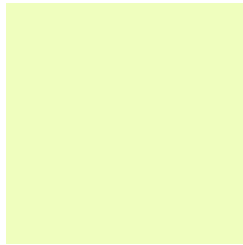
10.5066, 4.3268, 49.7160



1.1144, 0.4684, 4.8450

Previews

White Background



This preview shows how the XYZ color 80.3327, 92.9520, 62.4228 looks on a white background.

Color Contrast Check

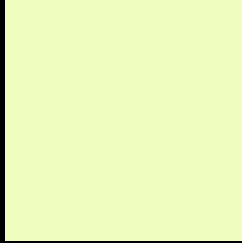
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.3327, 92.9520, 62.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

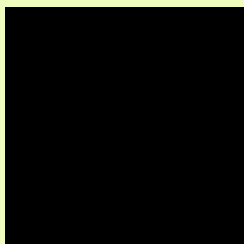
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

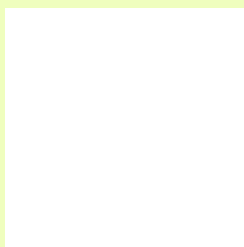
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3327, 92.9520, 62.4228

Background



This preview shows how black text looks on a background with the XYZ color 80.3327, 92.9520, 62.4228.



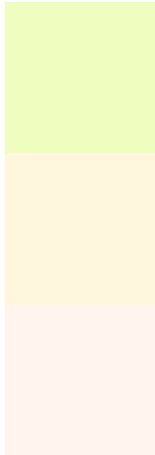
This preview shows how white text looks on a background with the XYZ color 80.3327, 92.9520,

62.4228.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.3327, 92.9520, 62.4228

Protanopia

87.5519, 93.0020, 81.7433

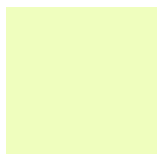
Deuteranopia

89.3250, 92.7379, 94.0812

Tritanopia

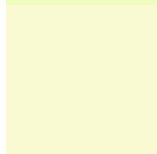
89.7172, 93.0880, 107.8469

Trichromacy



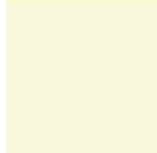
Original Color

80.3327, 92.9520, 62.4228



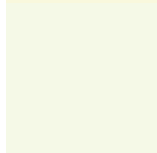
Protanomaly

84.8854, 93.1641, 74.4813



Deuteranomaly

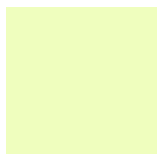
85.6855, 92.4950, 81.7438



Tritanomaly

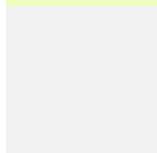
85.9557, 92.9334, 89.0089

Monochromacy



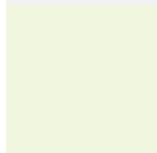
Original Color

80.3327, 92.9520, 62.4228



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5507, 89.9400, 82.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3327, 92.9520, 62.4228 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 254, 190)` looks like.

```
.text, #text, p{  
    color:rgb(239, 254, 190)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 254, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 254, 190) }
```

Border

The CSS property to change the border of an element to XYZ 80.3327, 92.9520, 62.4228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 254, 190) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 254, 190) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 254, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 254, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 254, 190);  
box-shadow:4px 4px 4px 4px rgb(239, 254,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3327, 92.9520, 62.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 254, 190) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
254, 190) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor