

Converting Colors

XYZ(82.9083, 98.1471, 63.8416)

Have a look what the booklet for
XYZ(82.9083, 98.1471, 63.8416)
contains.

XYZ(80.7606, 93.6323, 63.1065)	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(80.7606, 93.6323,
63.1065)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFBF
RGB	239, 255, 191
RGB Percent	94%, 100%, 75%
CMY	0.0627, 0.0000, 0.2510
CMYK	0.06, 0.00, 0.25, 0.00
HSL	75°, 100%, 87%
HSV	75°, 25%, 100%
XYZ	80.7606, 93.6323, 63.1065
YIQ	242.9200, 11.0080, -23.2960

Conversions

Conversions Part 2

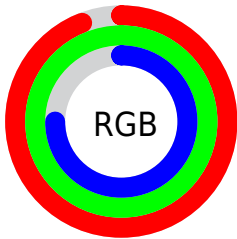
Format	Color
RYB	191, 255, 207
Decimal	15728575
CIELab	97.48, -15.58, 28.91
CIElCh	97, 32.840, 118.315
Yxy	93.6323, 0.3400, 0.3942
Android (android.graphics.Color)	4293918655 (0xFFEFFFFBF)
YUV	242.9200, -25.5966, -3.4378
Hunter-Lab	96.7638, -20.3577, 29.0675

Details

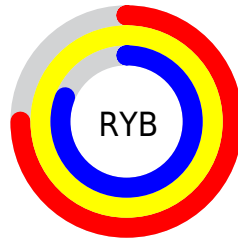
The XYZ color **80.7606, 93.6323, 63.1065** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.4139, 57.7482, 102.4647**, and the grayscale version is **85.3181, 89.7613, 97.7500**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **44.2379, 52.2616, 31.4228** is the 20% darker color. If you saturate the color by 10%, you get **76.0796, 91.5157, 49.4919**, and if you desaturate by 10%, it is **86.0071, 95.9840, 79.3004**.

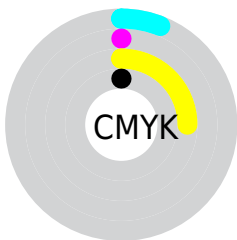
Distribution



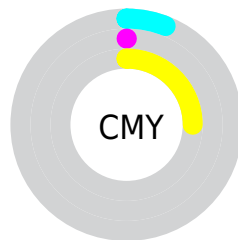
- Red (94%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (81%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7606, 93.6323, 63.1065 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 80.7606, 93.6323, 63.1065 by changing the saturation by 10% instead.


 80.7606, 93.6323,
63.1065

 80.7606, 93.6323,
63.1065


486.1900,
539.7771, 454.0745

 60.6551, 70.9972,
45.4858

 133.3795,
152.3737, 110.9102

 44.1983, 52.3399,
31.4945


166.6235,
189.2488, 141.9303

 31.0250, 37.2761,
20.7141

204.9778,
231.6393, 178.2540

 20.7698, 25.4213,
12.7260

248.8077,
279.9296, 220.2997

 13.0674, 16.3912,
7.1116

298.4785,
334.5042, 268.4861

 7.5523, 9.8014,
3.4525

354.3556,

 3.8592, 5.2675,

395.7473, 323.2317

1.3301

416.8043,
464.0435, 384.9549

■ 1.6228, 2.4050,
0.0862

■ 0.4072, 0.8285,
0.0000

■ 80.7606, 93.6323,
63.1065

■ 80.7606, 93.6323,
63.1065

■ 76.0796, 91.5157,
49.4919

■ 86.0071, 95.9840,
79.3004

■ 71.9366, 89.6229,
38.3193

■ 91.8420, 98.5799,
98.1934

■ 68.3036, 87.9427,
29.4445

95.0500, 100.0000,
108.9000

■ 65.1494, 86.4625,
22.7069

■ 62.4387, 85.1681,
17.9248

■ 60.1304, 84.0430,
14.8866

■ 58.1743, 83.0670,
13.3316

■ 57.3090, 82.6289,
12.9285

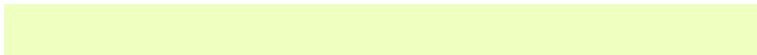
Harmonies

Analogous

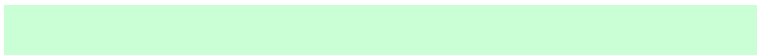
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5226, 93.6323, 58.7650



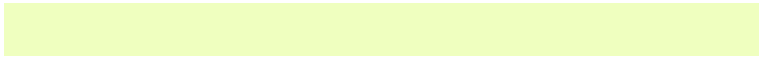
80.7606, 93.6323, 63.1065



74.5967, 93.6323, 77.2941

Triad

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



80.7606, 93.6323, 63.1065



79.9082, 93.6323, 152.1683



108.1405, 93.6323, 103.4661

Complementary

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



80.7606, 93.6323, 63.1065



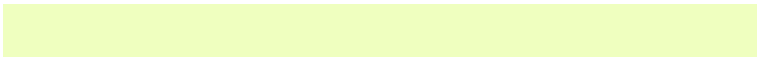
62.4139, 57.7482, 102.4647

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.



105.1354, 93.6323, 131.3592



80.7606, 93.6323, 63.1065



88.4688, 93.6323, 162.3512

Square

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



80.7606, 93.6323, 63.1065



74.1293, 93.6323, 128.2885



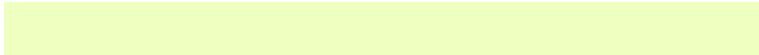
97.7703, 93.6323, 154.1477



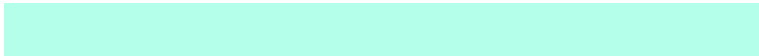
105.7253, 93.6323, 79.4877

Rectangle

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



80.7606, 93.6323, 63.1065



72.5706, 93.6323, 91.9028



97.7703, 93.6323, 154.1477



107.7269, 93.6323, 112.7033

Sweetspot

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



80.7611, 93.6325, 63.1079



90.0862, 97.8006, 92.4240



72.6999, 69.1330, 58.8038



19.0917, 20.8487, 19.1623



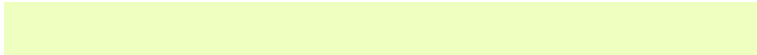
0.0000, 0.0000, 0.0000



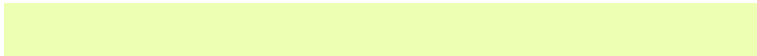
20.3446, 21.4041, 23.3091

Same Dimension

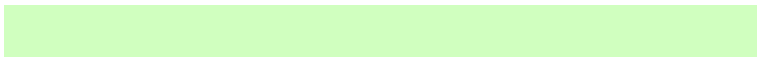
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7611, 93.6325, 63.1079



78.3968, 92.5660, 56.1182



71.1959, 88.7015, 62.6602



19.0917, 20.8487, 19.1623



30.0890, 43.2496, 6.7621



3.0294, 4.2625, 0.6631

Inverse Universe

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



62.4139, 57.7482, 102.4647



57.2600, 51.2150, 101.4753



71.9190, 62.6483, 102.9095



17.4284, 17.5971, 22.7279



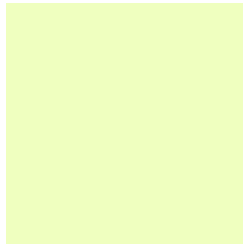
10.6416, 4.3964, 49.7223



1.1309, 0.4769, 4.8457

Previews

White Background



This preview shows how the XYZ color 80.7606, 93.6323, 63.1065 looks on a white background.

Color Contrast Check

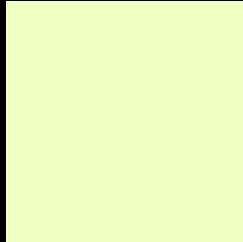
Large Text (above 18pt) WCAG AA × Fail

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 80.7606, 93.6323, 63.1065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

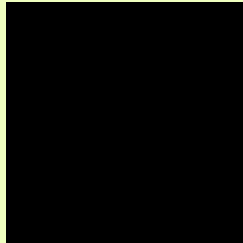
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

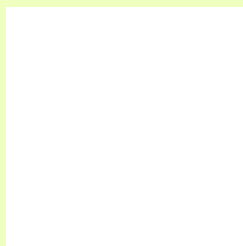
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7606, 93.6323, 63.1065

Background



This preview shows how black text looks on a background with the XYZ color 80.7606, 93.6323, 63.1065.

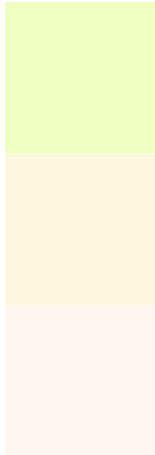


This preview shows how white text looks on a background with the XYZ color 80.7606, 93.6323,

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

80.7606, 93.6323, 63.1065

Protanopia

87.9553, 93.1633, 83.8676

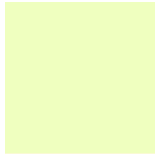
Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

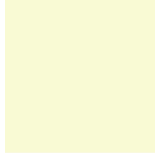
90.0222, 93.6980, 107.9486

Trichromacy



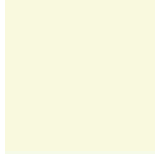
Original Color

80.7606, 93.6323, 63.1065



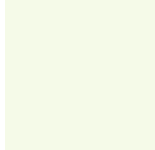
Protanomaly

85.1362, 93.2644, 75.8020



Deuteranomaly

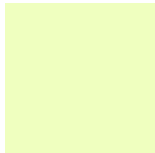
86.1274, 93.1650, 82.5505



Tritanomaly

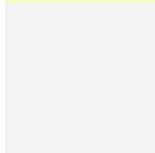
86.4073, 93.6099, 89.8583

Monochromacy



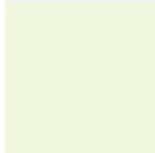
Original Color

80.7606, 93.6323, 63.1065



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3333, 90.7806, 83.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7606, 93.6323, 63.1065 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, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 191)  
}
```

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, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 80.7606, 93.6323, 63.1065 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, 255, 191) }
```


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

```
.border{ border-color:rgb(239, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7606, 93.6323, 63.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 191) }
```

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

```
.background{ background-color: rgb(239,  
255, 191) }
```

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](#).

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