

Converting Colors

XYZ(82.7681, 100.0000,
64.8648)

Have a look what the booklet for
XYZ(82.7681, 100.0000, 64.8648)
contains.

XYZ(79.2061, 92.8182, 63.6103)	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(79.2061, 92.8182,
63.6103)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFC0
RGB	234, 255, 192
RGB Percent	92%, 100%, 75%
CMY	0.0824, 0.0000, 0.2470
CMYK	0.08, 0.00, 0.25, 0.00
HSL	80°, 100%, 88%
HSV	80°, 25%, 100%
XYZ	79.2061, 92.8182, 63.6103
YIQ	241.5390, 7.7070, -24.0450

Conversions

Conversions Part 2

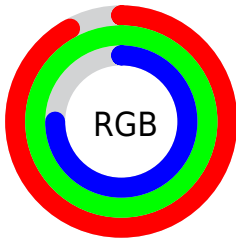
Format	Color
RYB	192, 255, 213
Decimal	15400896
CIELab	97.15, -17.21, 27.90
CIELCh	97, 32.782, 121.674
Yxy	92.8182, 0.3361, 0.3939
Android (android.graphics.Color)	4293590976 (0xFFEAFFC0)
YUV	241.5390, -24.4227, -6.6117
Hunter-Lab	96.3422, -21.8481, 28.2931

Details

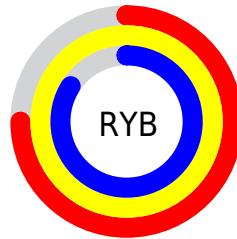
The XYZ color **79.2061, 92.8182, 63.6103** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.3412, 59.0667, 102.6176**, and the grayscale version is **84.2156, 88.6014, 96.4869**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **43.1416, 51.6881, 31.7478** is the 20% darker color. If you saturate the color by 10%, you get **73.8967, 90.3798, 49.8687**, and if you desaturate by 10%, it is **85.1399, 95.5219, 79.9390**.

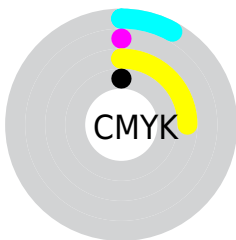
Distribution



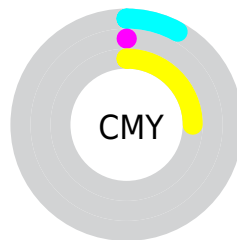
- Red (92%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.2061, 92.8182, 63.6103 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 79.2061, 92.8182, 63.6103 by changing the saturation by 10% instead.

79.2061, 92.8182,
63.6103

79.2061, 92.8182,
63.6103

481.0307,
537.1563, 455.9498

59.3715, 70.3204,
45.8909

131.2054,
151.2469, 111.6436

43.1598, 51.7878,
31.8117

164.1007,
187.9466, 142.7946

30.2056, 36.8360,
20.9541

202.0804,
230.1490, 179.2599

20.1435, 25.0805,
12.8995

245.5097,
278.2386, 221.4580

12.6083, 16.1370,
7.2295

294.7541,
332.5997, 269.8075

7.2345, 9.6212,
3.5254

350.1788,

3.6568, 5.1485,

393.6168, 324.7270

1.3688

412.1492,
461.6742, 386.6349

■ 1.5099, 2.3347,
0.1172

■ 0.3325, 0.7920,
0.0000

■ 79.2061, 92.8182,
63.6103

■ 79.2061, 92.8182,
63.6103

■ 73.8967, 90.3798,
49.8687

■ 85.1399, 95.5219,
79.9390

■ 69.1833, 88.1949,
38.5772

■ 91.7219, 98.5006,
98.9741

■ 65.0369, 86.2519,
29.5921

95.0500, 100.0000,
108.9000

■ 61.4251, 84.5376,
22.7533

■ 58.3117, 83.0372,
17.8802

■ 55.6547, 81.7338,
14.7626

■ 53.4031, 80.6066,
13.1420

■ 52.3374, 80.0660,
12.6958

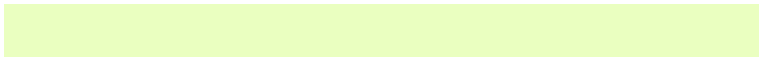
Harmonies

Analogous

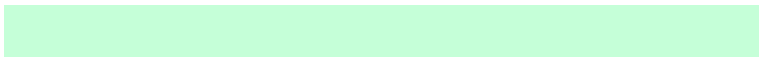
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7024, 92.8182, 58.2134



79.2061, 92.8182, 63.6103



73.4703, 92.8182, 78.7658

Triad

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



79.2061, 92.8182, 63.6103



80.0465, 92.8182, 152.8693



107.2236, 92.8182, 99.5826

Complementary

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



79.2061, 92.8182, 63.6103



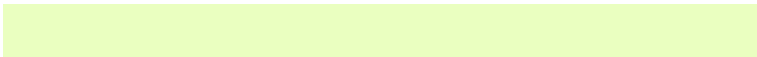
64.3412, 59.0667, 102.6176

Split Complementary

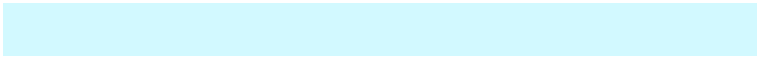
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.8245, 92.8182, 127.2154



79.2061, 92.8182, 63.6103



88.7415, 92.8182, 161.0198

Square

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



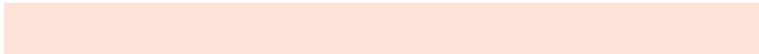
79.2061, 92.8182, 63.6103



73.9311, 92.8182, 130.2436



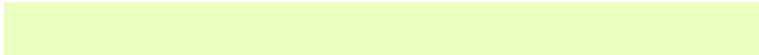
97.8950, 92.8182, 150.9170



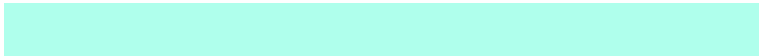
104.2427, 92.8182, 76.6033

Rectangle

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



79.2061, 92.8182, 63.6103



71.7642, 92.8182, 93.8637



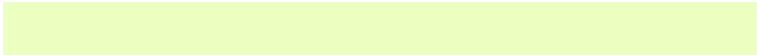
97.8950, 92.8182, 150.9170



107.0188, 92.8182, 108.6218

Sweetspot

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



79.2066, 92.8184, 63.6116



90.1527, 97.7921, 94.3599



74.5493, 72.6552, 59.9652



19.2093, 20.8922, 19.9424



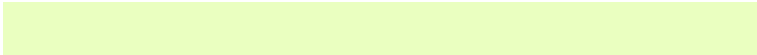
0.0000, 0.0000, 0.0000



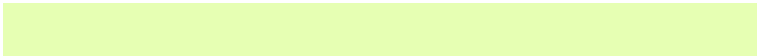
20.3446, 21.4041, 23.3091

Same Dimension

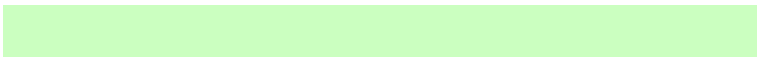
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2066, 92.8184, 63.6116



76.3190, 91.4948, 56.0210



69.7679, 87.9526, 63.1699



18.9384, 20.7697, 19.1551



27.5123, 41.9212, 6.6416



2.7947, 4.1415, 0.6521

Inverse Universe

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



64.3412, 59.0667, 102.6176



58.9720, 52.0975, 101.5554



74.3823, 64.2430, 103.0875



17.5735, 17.6718, 22.7347



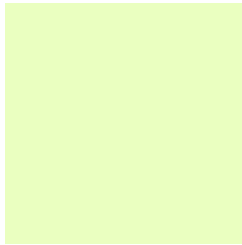
11.5297, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 79.2061, 92.8182, 63.6103 looks on a white background.

Color Contrast Check

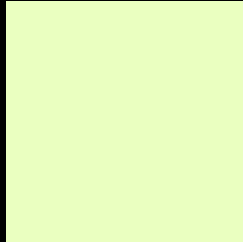
Large Text (above 18pt) WCAG AA × Fail

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 79.2061, 92.8182, 63.6103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

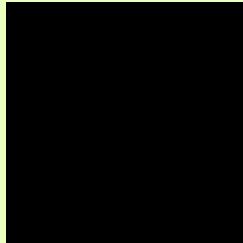
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

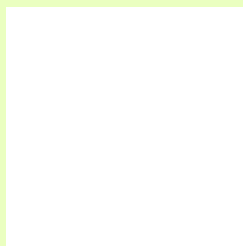
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.2061, 92.8182, 63.6103

Background



This preview shows how black text looks on a background with the XYZ color 79.2061, 92.8182, 63.6103.

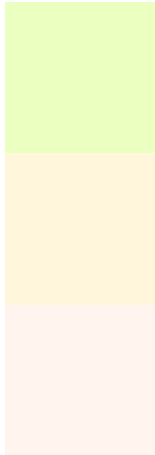


This preview shows how white text looks on a background with the XYZ color 79.2061, 92.8182,

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

79.2061, 92.8182, 63.6103

Protanopia

87.1140, 92.3388, 80.9419

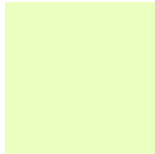
Deuteranopia

89.3250, 92.7379, 94.0812

Tritanopia

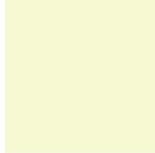
89.0118, 92.7244, 107.8139

Trichromacy



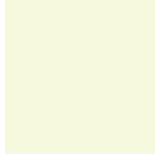
Original Color

79.2061, 92.8182, 63.6103



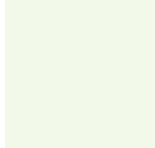
Protanomaly

83.8663, 92.1787, 74.3448



Deuteranomaly

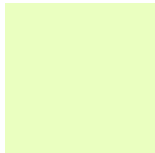
85.2846, 92.7460, 81.8134



Tritanomaly

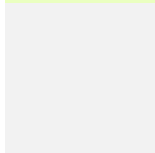
85.0591, 92.4548, 89.7064

Monochromacy



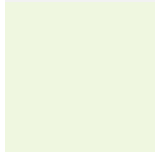
Original Color

79.2061, 92.8182, 63.6103



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.3119, 90.2541, 83.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.2061, 92.8182, 63.6103 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(234, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 192)  
}
```

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(234, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 79.2061, 92.8182, 63.6103 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(234, 255, 192) }
```


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

```
.border{ border-color:rgb(234, 255, 192) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 79.2061, 92.8182, 63.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 192) }
```

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

```
.background{ background-color: rgb(234,  
255, 192) }
```

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