

# Converting Colors

XYZ(79.6436, 87.9701, 64.2333)

Have a look what the booklet for  
XYZ(79.6436, 87.9701, 64.2333)  
contains.

<b>XYZ(79.5092, 87.8746, 64.4007)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.5092, 87.8746,  
64.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F4C3
RGB	244, 244, 195
RGB Percent	96%, 96%, 76%
CMY	0.0431, 0.0431, 0.2353
CMYK	0.00, 0.00, 0.20, 0.04
HSL	60°, 69%, 86%
HSV	60°, 20%, 96%
XYZ	79.5092, 87.8746, 64.4007
YIQ	238.4140, 15.7290, -15.2390

# Conversions

## Conversions Part 2

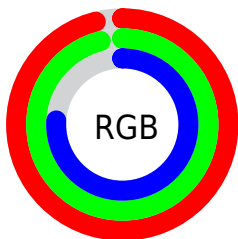
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 244, 195
Decimal	16053443
CIELab	95.11, -7.80, 23.68
CIELCh	95, 24.933, 108.222
Yxy	87.8746, 0.3430, 0.3791
Android (android.graphics.Color)	4294243523 (0xFFFF4F4C3)
YUV	238.4140, -21.4031, 4.8989
Hunter-Lab	93.7415, -12.6482, 24.8866

# Details

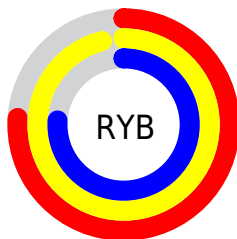
The XYZ color **79.5092, 87.8746, 64.4007** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.3534, 57.1664, 93.5515**, and the grayscale version is **81.7431, 86.0001, 93.6541**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **43.2845, 48.4543, 32.2706** is the 20% darker color. If you saturate the color by 10%, you get **76.9727, 86.8629, 51.0385**, and if you desaturate by 10%, it is **82.5012, 89.0745, 80.1410**.

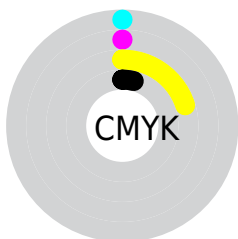
# Distribution



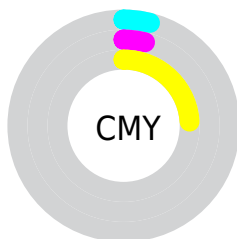
- Red (96%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5092, 87.8746, 64.4007 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 79.5092, 87.8746, 64.4007 by changing the saturation by 10% instead.



79.5092, 87.8746,  
64.4007

79.5092, 87.8746,  
64.4007

482.0390,  
521.0925, 458.8823

59.6216, 66.2192,  
46.5270

131.6296,  
144.3826, 112.7928

43.3620, 48.4504,  
32.3103

164.5932,  
180.0039, 144.1484

30.3650, 34.1837,  
21.3318

202.6461,  
221.0494, 180.8349

20.2653, 23.0348,  
13.1732

246.1538,  
267.9034, 223.2711

12.6974, 14.6192,  
7.4158

295.4816,  
320.9503, 271.8754

7.2961, 8.5525,  
3.6411

350.9948,

3.6959, 4.4505,

380.5746, 327.0663

1.4306

413.0588,  
447.1605, 389.2624

■ 1.5316, 1.9286,  
0.1654

■ 0.3472, 0.5655,  
0.0000

■ 79.5092, 87.8746,  
64.4007

■ 79.5092, 87.8746,  
64.4007

■ 76.9727, 86.8629,  
51.0385

■ 82.5012, 89.0745,  
80.1410

■ 74.8629, 86.0188,  
39.9337


■ 85.9622, 90.4590,  
98.3611


■ 73.1584, 85.3369,  
30.9634


■ 87.7139, 91.1598,  
107.5803


■ 71.8333, 84.8068,  
23.9905


■ 87.7149, 91.1603,  
107.5804


 70.8585, 84.4167,  
18.8626


 87.7159, 91.1608,  
107.5804


 70.2009, 84.1536,  
15.4048


 87.7169, 91.1614,  
107.5805

 69.8209, 84.0015,  
13.4089

 87.7179, 91.1619,  
107.5805

 69.6530, 83.9342,  
12.5298

 87.7189, 91.1624,  
107.5806

 87.7199, 91.1629,  
107.5806

# Harmonies

## Analogous

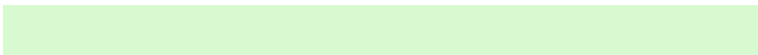
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2134, 87.8746, 63.5696



79.5092, 87.8746, 64.4007



74.1671, 87.8746, 72.8857

# Triad

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



79.5092, 87.8746, 64.4007



75.1290, 87.8746, 126.3320



96.9542, 87.8746, 103.5110

# Complementary

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



79.5092, 87.8746, 64.4007



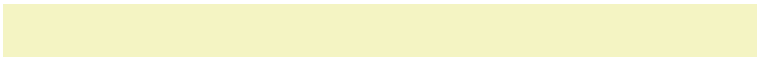
58.3534, 57.1664, 93.5515

# Split Complementary

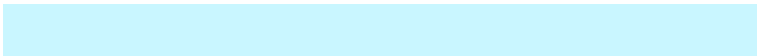
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6326, 87.8746, 122.7921



79.5092, 87.8746, 64.4007



80.8875, 87.8746, 137.1111

# Square

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



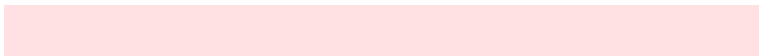
79.5092, 87.8746, 64.4007



71.7341, 87.8746, 107.8444



87.6679, 87.8746, 135.7344

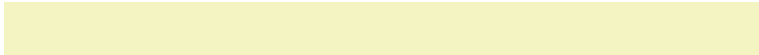


96.5357, 87.8746, 84.4675

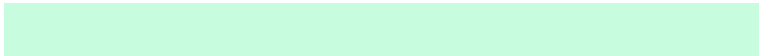


# Rectangle

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



79.5092, 87.8746, 64.4007



71.9846, 87.8746, 82.4780



87.6679, 87.8746, 135.7344



96.2310, 87.8746, 110.2217

# Sweetspot

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



79.5115, 87.8785, 64.4026



92.6830, 99.0531, 96.4389



66.6765, 62.2056, 60.1237



19.7853, 21.1804, 20.3647



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

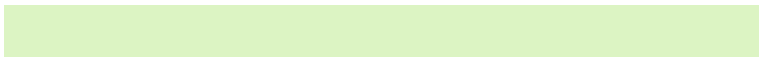
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5115, 87.8785, 64.4026



86.7125, 96.6647, 65.0092



71.5685, 83.7837, 64.0308



17.9145, 19.3135, 17.5812



37.8714, 45.6362, 6.8126



3.3286, 4.0110, 0.5988



# Inverse Universe

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



58.3534, 57.1664, 93.5515



59.4960, 57.1584, 102.5046



65.2110, 60.7016, 93.8725



15.5814, 15.9269, 20.7955



8.8792, 3.5517, 46.7556

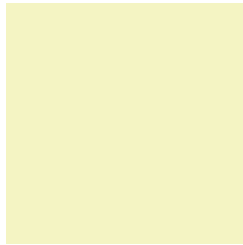


0.7805, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 79.5092, 87.8746, 64.4007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

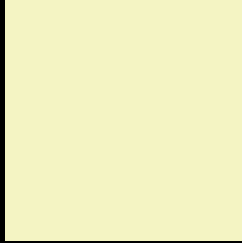
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5092, 87.8746, 64.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

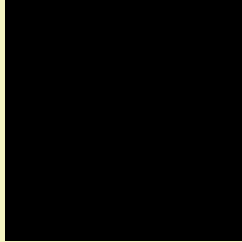
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.5092, 87.8746, 64.4007**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.5092, 87.8746, 64.4007.



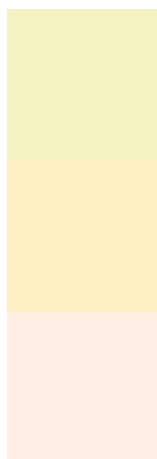
This preview shows how white text looks on a background with the XYZ color 79.5092, 87.8746,



# 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

79.5092, 87.8746, 64.4007

### Protanopia

82.3639, 87.5657, 64.7854

### Deuteranopia

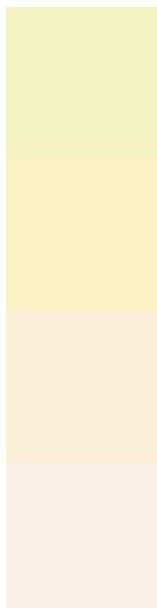
85.6797, 87.9551, 85.1343



## Tritanopia

88.0297, 87.8421, 106.0815

# Trichromacy



## Original Color

79.5092, 87.8746, 64.4007

## Protanomaly

81.2028, 87.4053, 64.8156

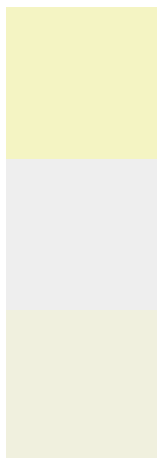
## Deuteranomaly

83.2095, 87.7357, 76.8391

## Tritanomaly

84.6414, 87.7559, 89.5683

# Monochromacy



## Original Color

79.5092, 87.8746, 64.4007

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.2801, 86.1194, 81.4987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5092, 87.8746, 64.4007 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(244, 244, 195)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 195)  
}
```

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(244, 244, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5092, 87.8746, 64.4007 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(244, 244, 195) }
```



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

```
.border{ border-color:rgb(244, 244, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 195);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5092, 87.8746, 64.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 195) }
```

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

```
.background{ background-color: rgb(244,  
244, 195) }
```

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