

# Converting Colors

XYZ(79.6007, 85.0166, 56.4704)

Have a look what the booklet for  
XYZ(79.6007, 85.0166, 56.4704)  
contains.

<b>XYZ(79.6007, 85.0166, 56.4704)</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(79.6007, 85.0166,  
56.4704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEEDB6
RGB	254, 237, 182
RGB Percent	100%, 93%, 71%
CMY	0.0039, 0.0706, 0.2863
CMYK	0.00, 0.07, 0.28, 0.00
HSL	46°, 97%, 85%
HSV	46°, 28%, 100%
XYZ	79.6007, 85.0166, 56.4704
YIQ	235.8130, 27.7870, -13.5010

# Conversions

## Conversions Part 2

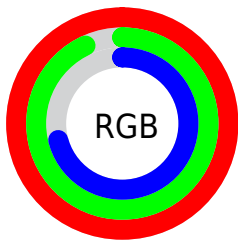
Format	Color
<a href="#">RYB</a>	<a href="#">204, 254, 182</a>
Decimal	<a href="#">16706998</a>
CIELab	<a href="#">93.89, -2.37, 28.78</a>
CIELCh	<a href="#">94, 28.875, 94.701</a>
Yxy	<a href="#">85.0166, 0.3600, 0.3845</a>
Android (android.graphics.Color)	<a href="#">4294897078</a> ( <a href="#">0xFFFEEDB6</a> )
YUV	<a href="#">235.8130, -26.5298, 15.9500</a>
Hunter-Lab	<a href="#">92.2044, -7.2576, 28.2311</a>

# Details

The XYZ color **79.6007, 85.0166, 56.4704** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.6038, 57.9460, 101.9147**, and the grayscale version is **79.7692, 83.9235, 91.3926**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **43.5123, 46.5030, 27.4515** is the 20% darker color. If you saturate the color by 10%, you get **75.5041, 80.6498, 43.3079**, and if you desaturate by 10%, it is **84.2359, 89.6977, 72.1633**.

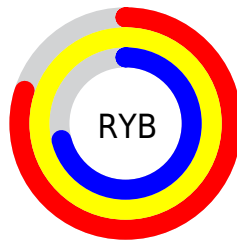
# Distribution



Red (100%)

Green (93%)

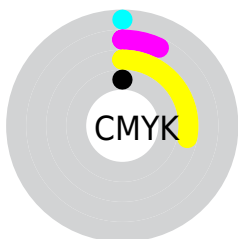
Blue (71%)



Red (80%)

Yellow (100%)

Blue (71%)

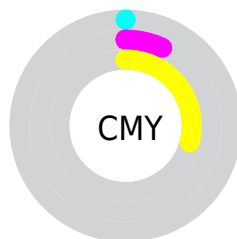


Cyan (0%)

Magenta (7%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6007, 85.0166, 56.4704 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 79.6007, 85.0166, 56.4704 by changing the saturation by 10% instead.





 79.6007, 85.0166,  
56.4704

 79.6007, 85.0166,  
56.4704

482.3432,  
511.6830, 428.8999

 59.6972, 63.8551,  
40.1737


 131.7577,  
140.3964, 101.1847

 43.4231, 46.5333,  
27.3592


164.7418,  
175.3834, 130.4393

 30.4132, 32.6669,  
17.6083

202.8169,  
215.7478, 164.8503

 20.3021, 21.8714,  
10.5026

246.3482,  
261.8738, 204.8362

 12.7243, 13.7624,  
5.6235

295.7011,  
314.1460, 250.8156

 7.3147, 7.9556,  
2.5525

351.2410,

 3.7077, 4.0666,

372.9487, 303.2070

0.8678

413.3333,  
438.6662, 362.4289

■ 1.5382, 1.7109,  
0.0000

■ 0.3516, 0.4307,  
0.0000

■ 79.6007, 85.0166,  
56.4704

■ 79.6007, 85.0166,  
56.4704

■ 75.5041, 80.6498,  
43.3079

■ 84.2359, 89.6977,  
72.1633

■ 71.9131, 76.5742,  
32.5347

■ 89.4275, 94.6921,  
90.5068

■ 68.8013, 72.7813,  
24.0037

94.6806, 99.8057,  
108.8820

■ 66.1367, 69.2575,  
17.5498

94.6831, 99.8109,  
108.8828

■ 63.8830, 65.9872,  
12.9845

■ 61.9973, 62.9524,  
10.0852

■ 60.4203, 60.1283,  
8.5421

■ 60.1757, 59.6760,  
8.3470

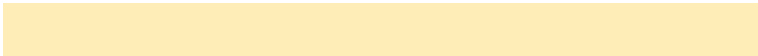
# Harmonies

## Analogous

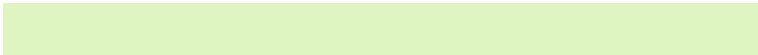
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2870, 85.0166, 59.3349



79.6007, 85.0166, 56.4704



72.6814, 85.0166, 61.9509

# Triad

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



79.6007, 85.0166, 56.4704



69.2549, 85.0166, 118.8136



94.9162, 85.0166, 111.8588

# Complementary

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



79.6007, 85.0166, 56.4704



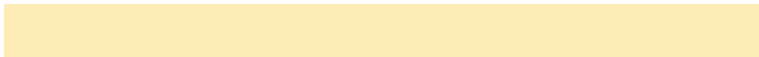
57.6038, 57.9460, 101.9147

# 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.



89.5140, 85.0166, 131.9057



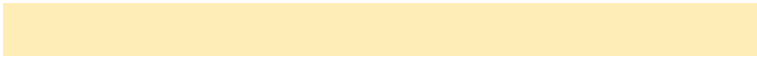
79.6007, 85.0166, 56.4704



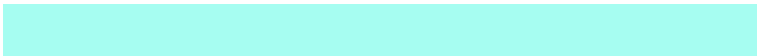
74.6535, 85.0166, 136.3467

# Square

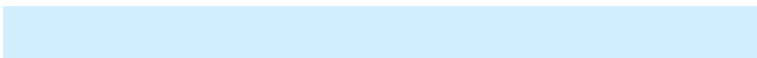
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6007, 85.0166, 56.4704



66.9542, 85.0166, 96.0805



82.0229, 85.0166, 141.4805

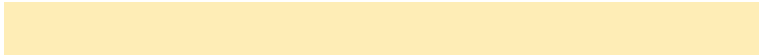


96.4469, 85.0166, 89.1434

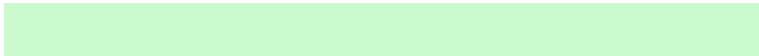


# Rectangle

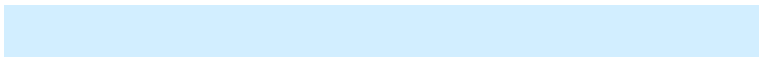
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6007, 85.0166, 56.4704



69.3349, 85.0166, 70.2029



82.0229, 85.0166, 141.4805



93.4767, 85.0166, 119.2418

# Sweetspot

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



79.6029, 85.0205, 56.4722



89.8688, 95.2014, 90.0203



68.0270, 58.6978, 62.3890



19.0660, 20.2164, 18.6606



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

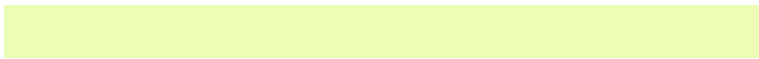
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6029, 85.0205, 56.4722



77.9116, 83.2497, 49.1549



78.4779, 92.0942, 57.8968



19.1765, 20.3212, 19.0560



31.8445, 31.7003, 4.4404



3.1841, 3.2535, 0.4602



# Inverse Universe

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



57.6038, 57.9460, 101.9147



52.4092, 51.8715, 101.8577



58.4377, 52.8921, 100.8953



17.3510, 18.0736, 22.8240



10.3753, 5.6601, 49.9803



1.0898, 0.7103, 4.8929



# Previews

## White Background



This preview shows how the XYZ color 79.6007, 85.0166, 56.4704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

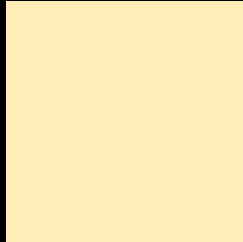
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6007, 85.0166, 56.4704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

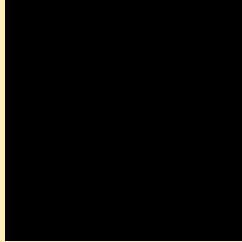
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.6007, 85.0166, 56.4704

## Background



This preview shows how black text looks on a background with the XYZ color 79.6007, 85.0166, 56.4704.



This preview shows how white text looks on a background with the XYZ color 79.6007, 85.0166,



# 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

79.6007, 85.0166, 56.4704

### Protanopia

79.6007, 85.0166, 56.4704

### Deuteranopia

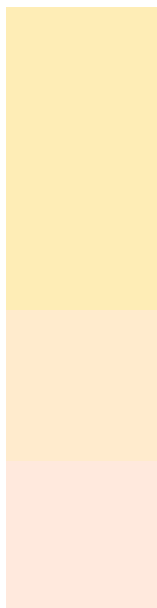
83.3177, 85.1676, 78.3773



## Tritanopia

86.1450, 84.9435, 97.4433

# Trichromacy



## Original Color

79.6007, 85.0166, 56.4704

## Protanomaly

79.6007, 85.0166, 56.4704

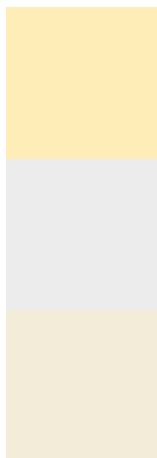
## Deuteranomaly

81.9678, 85.0844, 69.8604

## Tritanomaly

83.4301, 84.7583, 80.3694

# Monochromacy



## Original Color

79.6007, 85.0166, 56.4704

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.3523, 84.0035, 76.9977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6007, 85.0166, 56.4704 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(254, 237, 182)` looks like.

```
.text, #text, p{  
    color:rgb(254, 237, 182)  
}
```

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(254, 237, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 237, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6007, 85.0166, 56.4704 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(254, 237, 182) }
```



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

```
.border{ border-color:rgb(254, 237, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 237, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 237, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 237, 182);  
box-shadow:4px 4px 4px 4px rgb(254, 237,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6007, 85.0166, 56.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 237, 182) }
```

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

```
.background{ background-color: rgb(254,  
237, 182) }
```

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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