

# Converting Colors

XYZ(79.8911, 85.5973, 56.5672)

Have a look what the booklet for  
XYZ(79.8911, 85.5973, 56.5672)  
contains.

<b>XYZ(79.8911, 85.5973, 56.5672)</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(79.8911, 85.5973,  
56.5672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>FEEEE6</code>
RGB	<code>254, 238, 182</code>
RGB Percent	<code>100%, 93%, 71%</code>
CMY	<code>0.0039, 0.0666, 0.2863</code>
CMYK	<code>0.00, 0.06, 0.28, 0.00</code>
HSL	<code>47°, 97%, 85%</code>
HSV	<code>47°, 28%, 100%</code>
XYZ	<code>79.8911, 85.5973, 56.5672</code>
YIQ	<code>236.4000, 27.5120, -14.0240</code>

# Conversions

## Conversions Part 2

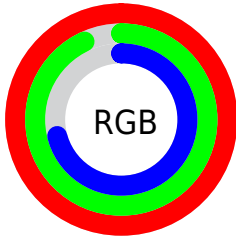
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 254, 182
Decimal	16707254
CIE Lab	94.14, -2.87, 29.12
CIE LCh	94, 29.258, 95.629
Yxy	85.5973, 0.3598, 0.3855
Android (android.graphics.Color)	4294897334 (0xFFFEEB6)
YUV	236.4000, -26.8192, 15.4352
Hunter-Lab	92.5188, -7.7710, 28.5125

# Details

The XYZ color **79.8911, 85.5973, 56.5672** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.3746, 57.4875, 101.8385**, and the grayscale version is **80.2217, 84.3995, 91.9110**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **43.7164, 46.9112, 27.5195** is the 20% darker color. If you saturate the color by 10%, you get **75.8842, 81.4100, 43.4346**, and if you desaturate by 10%, it is **84.4300, 90.0858, 72.2280**.

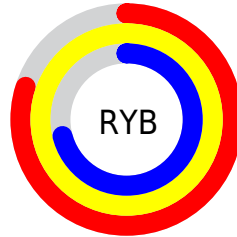
# Distribution



Red (100%)

Green (93%)

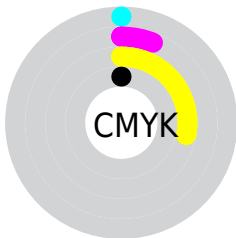
Blue (71%)



Red (80%)

Yellow (100%)

Blue (71%)

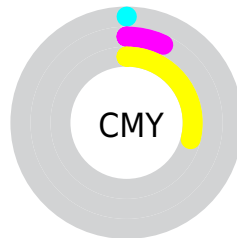


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8911, 85.5973, 56.5672 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 79.8911, 85.5973, 56.5672 by changing the saturation by 10% instead.





 79.8911, 85.5973,  
56.5672

 79.8911, 85.5973,  
56.5672


483.3079,  
513.6024, 429.2738

 59.9369, 64.3350,  
40.2508

 132.1639,  
141.2074, 101.3275

 43.6170, 46.9221,  
27.4189


165.2133,  
176.3240, 130.6084

 30.5662, 32.9741,  
17.6529

203.3584,  
216.8275, 165.0480

 20.4189, 22.1066,  
10.5342

246.9646,  
263.1023, 205.0647

 12.8100, 13.9352,  
5.6443

296.3974,  
315.5328, 251.0771

 7.3739, 8.0756,  
2.5648

352.0219,

 3.7454, 4.1434,

374.5034, 303.5037

0.8742

414.2036,  
440.3985, 362.7631

■ 1.5591, 1.7541,  
0.0000

■ 0.3656, 0.4583,  
0.0000

■ 79.8911, 85.5973,  
56.5672

■ 79.8911, 85.5973,  
56.5672

■ 75.8842, 81.4100,  
43.4346

■ 84.4300, 90.0858,  
72.2280

■ 72.3766, 77.5010,  
32.6891

■ 89.5187, 94.8744,  
90.5372

■ 69.3417, 73.8620,  
24.1839

94.6621, 99.7687,  
108.8758

■ 66.7478, 70.4796,  
17.7535

94.6832, 99.8109,  
108.8828

■ 64.5586, 67.3383,  
13.2097

■ 62.7314, 64.4205,  
10.3299

■ 61.2069, 61.7014,  
8.8043

■ 60.9704, 61.2654,  
8.6119

# Harmonies

## Analogous

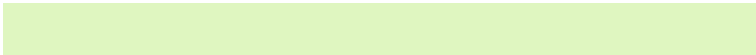
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7237, 85.5973, 59.2101



79.8911, 85.5973, 56.5672



72.9060, 85.5973, 62.3881

# Triad

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



79.8911, 85.5973, 56.5672



69.7338, 85.5973, 120.6157



95.8428, 85.5973, 112.1310

# Complementary

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



79.8911, 85.5973, 56.5672



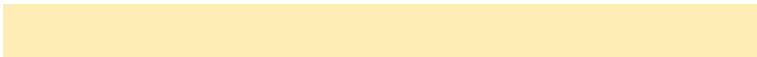
57.3746, 57.4875, 101.8385

# 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.



90.4385, 85.5973, 132.7835



79.8911, 85.5973, 56.5672



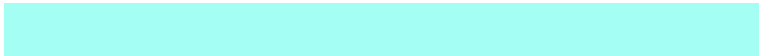
75.3073, 85.5973, 138.2059

# Square

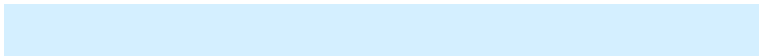
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8911, 85.5973, 56.5672



67.2876, 85.5973, 97.4907



82.8421, 85.5973, 142.9814



97.2639, 85.5973, 89.0388

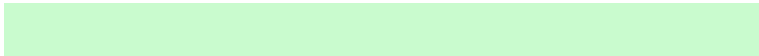


# Rectangle

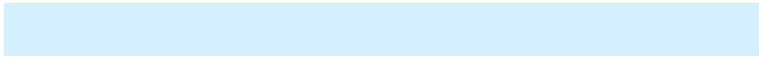
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8911, 85.5973, 56.5672



69.5629, 85.5973, 70.9349



82.8421, 85.5973, 142.9814



94.4155, 85.5973, 119.6976

# Sweetspot

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



79.8933, 85.6012, 56.5690



89.9677, 95.3992, 90.0533



67.8874, 58.6420, 61.6532



19.0904, 20.2653, 18.6688



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

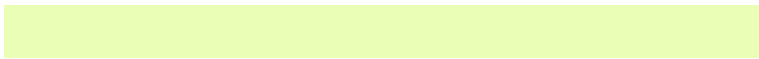
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8933, 85.6012, 56.5690



78.2566, 83.9397, 49.2699



78.0809, 91.8896, 57.8783



19.1988, 20.3658, 19.0634



32.2591, 32.5294, 4.5786



3.2212, 3.3278, 0.4726



# Inverse Universe

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



57.3746, 57.4875, 101.8385



52.1517, 51.3565, 101.7718



58.7595, 53.0580, 100.9105



17.3302, 18.0320, 22.8171



10.2768, 5.4631, 49.9474



1.0775, 0.6858, 4.8888



# Previews

## White Background



This preview shows how the XYZ color 79.8911, 85.5973, 56.5672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

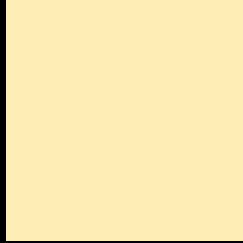
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8911, 85.5973, 56.5672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

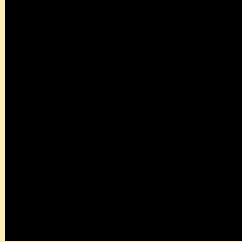
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.8911, 85.5973, 56.5672**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8911, 85.5973, 56.5672.



This preview shows how white text looks on a background with the XYZ color 79.8911, 85.5973,



# 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

79.8911, 85.5973, 56.5672

### Protanopia

80.2580, 85.7865, 56.5844

### Deuteranopia

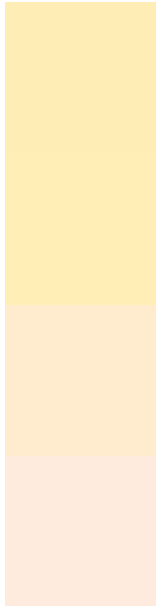
83.7345, 85.7911, 79.1639



## Tritanopia

86.5780, 85.5658, 98.3389

# Trichromacy



## Original Color

79.8911, 85.5973, 56.5672

## Protanomaly

80.2580, 85.7865, 56.5844

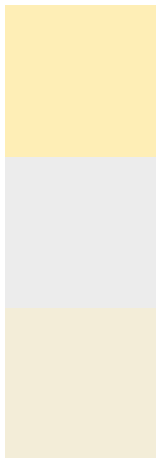
## Deuteranomaly

82.3760, 85.7071, 70.5940

## Tritanomaly

83.8476, 85.3796, 81.1679

# Monochromacy



## Original Color

79.8911, 85.5973, 56.5672

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.6410, 84.5809, 77.0940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8911, 85.5973, 56.5672 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, 238, 182)` looks like.

```
.text, #text, p{  
    color:rgb(254, 238, 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, 238, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 238, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8911, 85.5973, 56.5672 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, 238, 182) }
```



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

```
.border{ border-color:rgb(254, 238, 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, 238, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 238, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 238, 182);  
box-shadow:4px 4px 4px 4px rgb(254, 238,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8911, 85.5973, 56.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 238, 182) }
```

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

```
.background{ background-color: rgb(254,  
238, 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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