

Converting Colors

XYZ(110.0776, 101.3266,
49.4036)

Have a look what the booklet for
XYZ(110.0776, 101.3266, 49.4036)
contains.

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Color

**XYZ(78.6061, 85.1257,
47.8852)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEA5
RGB	255, 238, 165
RGB Percent	100%, 93%, 65%
CMY	0.0000, 0.0666, 0.3529
CMYK	0.00, 0.07, 0.35, 0.00
HSL	49°, 100%, 82%
HSV	49°, 35%, 100%
XYZ	78.6061, 85.1257, 47.8852
YIQ	234.7610, 33.5650, -19.0990

Conversions

Conversions Part 2

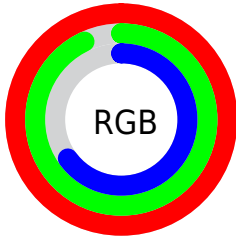
Format	Color
R _Y B	186, 255, 165
Decimal	16772773
CIE Lab	93.94, -4.54, 37.45
CIE LCh	94, 37.728, 96.912
Yxy	85.1257, 0.3715, 0.4023
Android (android.graphics.Color)	4294962853 (0xFFFFEEA5)
YUV	234.7610, -34.3922, 17.7496
Hunter-Lab	92.2636, -9.3841, 33.8127

Details

The XYZ color **78.6061, 85.1257, 47.8852** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.2946, 48.6737, 101.3519**, and the grayscale version is **79.0211, 83.1363, 90.5355**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **42.6785, 46.4961, 22.0545** is the 20% darker color. If you saturate the color by 10%, you get **75.1302, 81.5252, 36.3951**, and if you desaturate by 10%, it is **82.5865, 88.9941, 61.8283**.

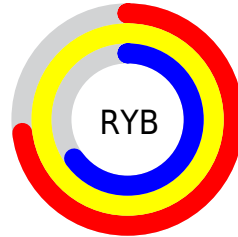
Distribution



Red (100%)

Green (93%)

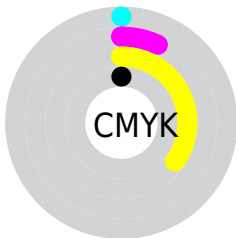
Blue (65%)



Red (73%)

Yellow (100%)

Blue (65%)

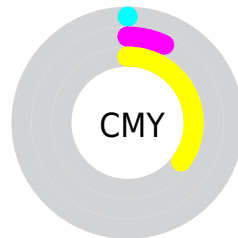


Cyan (0%)

Magenta (7%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6061, 85.1257, 47.8852 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 78.6061, 85.1257, 47.8852 by changing the saturation by 10% instead.

 78.6061, 85.1257,
47.8852


 78.6061, 85.1257,
47.8852


479.0312,
512.0439, 394.8325

 58.8765, 63.9452,
33.3766


 130.3650,
140.5488, 88.3972

 42.7597, 46.6063,
22.1417


 163.1251,
175.5602, 115.2378

 29.8903, 32.7246,
13.7617


200.9594,
215.9507, 147.0260

 19.9030, 21.9155,
7.8183

244.2332,
262.1048, 184.1806

 12.4324, 13.7948,
3.8928

293.3119,
314.4067, 227.1200

 7.1132, 7.9781,
1.5667

348.5609,

 3.5799, 4.0809,

373.2410, 276.2627

0.2669

410.3456,
438.9919, 332.0274

■ 1.4674, 1.7189,
0.0000

■ 0.3035, 0.4359,
0.0000

■ 78.6061, 85.1257,
47.8852

■ 78.6061, 85.1257,
47.8852

■ 75.1302, 81.5252,
36.3951

■ 82.5865, 88.9941,
61.8283

■ 72.1245, 78.1692,
27.2071

■ 87.0907, 93.1294,
78.3529

■ 69.5603, 75.0489,
20.1617

■ 92.1447, 97.5456,
97.5846

■ 67.4028, 72.1499,
15.0768

95.0500, 100.0000,
108.9000

■ 65.6112, 69.4554,
11.7400

■ 64.1355, 66.9449,
9.8892

■ 63.5166, 65.8133,
9.3555

Harmonies

Analogous

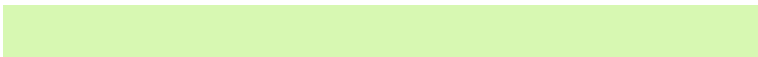
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7269, 85.1257, 50.5277



78.6061, 85.1257, 47.8852



69.8492, 85.1257, 55.1038

Triad

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



78.6061, 85.1257, 47.8852



66.4204, 85.1257, 130.0590



100.0205, 85.1257, 116.1296

Complementary

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



78.6061, 85.1257, 47.8852



50.2946, 48.6737, 101.3519

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.



93.0796, 85.1257, 144.3563



78.6061, 85.1257, 47.8852



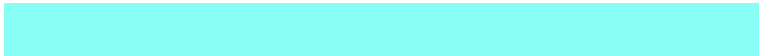
73.5652, 85.1257, 153.4912

Square

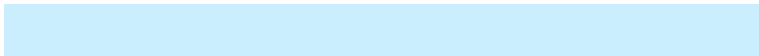
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6061, 85.1257, 47.8852



63.2010, 85.1257, 99.5084



83.2573, 85.1257, 159.2029



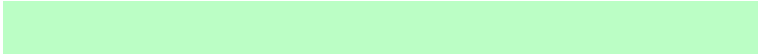
101.6505, 85.1257, 86.1855

Rectangle

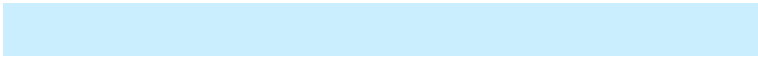
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6061, 85.1257, 47.8852



65.7742, 85.1257, 65.6366



83.2573, 85.1257, 159.2029



98.2047, 85.1257, 126.3048

Sweetspot

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



78.6082, 85.1296, 47.8870



89.1918, 94.9904, 86.2709



63.2430, 51.5901, 51.4254



18.9463, 20.2049, 17.9186



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

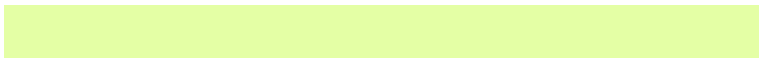
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6082, 85.1296, 47.8870



76.2220, 82.6841, 39.9178



74.5469, 90.7308, 49.1822



19.2525, 20.4732, 19.0813



33.2931, 34.5974, 4.9232



3.3133, 3.5120, 0.5033

Inverse Universe

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



50.2946, 48.6737, 101.3519



44.2700, 41.5572, 100.2958



53.2442, 45.3378, 100.5525



17.2805, 17.9326, 22.8005



10.0658, 5.0412, 49.8771



1.0502, 0.6312, 4.8797

Previews

White Background



This preview shows how the XYZ color 78.6061, 85.1257, 47.8852 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 78.6061, 85.1257, 47.8852 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 78.6061, 85.1257, 47.8852

Background



This preview shows how black text looks on a background with the XYZ color 78.6061, 85.1257, 47.8852.



This preview shows how white text looks on a background with the XYZ color 78.6061, 85.1257,

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

78.6061, 85.1257, 47.8852

Protanopia

79.0670, 84.8455, 51.7447

Deuteranopia

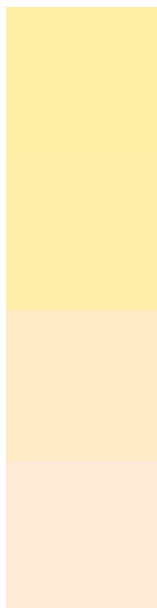
83.0575, 85.0635, 77.0070



Tritanopia

85.9936, 84.8829, 96.6457

Trichromacy



Original Color

78.6061, 85.1257, 47.8852

Protanomaly

78.7799, 84.7307, 50.2327

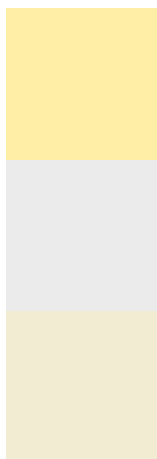
Deuteranomaly

81.0264, 84.7079, 64.9030

Tritanomaly

82.9286, 85.0119, 76.3281

Monochromacy



Original Color

78.6061, 85.1257, 47.8852

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2463, 83.5213, 72.9700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6061, 85.1257, 47.8852 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(255, 238, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 165)  
}
```

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(255, 238, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 165) }
```

Border

The CSS property to change the border of an element to XYZ 78.6061, 85.1257, 47.8852 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(255, 238, 165) }
```


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

```
.border{ border-color:rgb(255, 238, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6061, 85.1257, 47.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 165) }
```

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

```
.background{ background-color: rgb(255,  
238, 165) }
```

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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