

Converting Colors

XYZ(98.8827, 79.2761, 30.6263)

Have a look what the booklet for
XYZ(98.8827, 79.2761, 30.6263)
contains.

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Color

**XYZ(64.4281, 61.4021,
28.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC280
RGB	255, 194, 128
RGB Percent	100%, 76%, 50%
CMY	0.0000, 0.2392, 0.4980
CMYK	0.00, 0.24, 0.50, 0.00
HSL	31°, 100%, 75%
HSV	31°, 50%, 100%
XYZ	64.4281, 61.4021, 28.8781
YIQ	204.7150, 57.5420, -7.5940

Conversions

Conversions Part 2

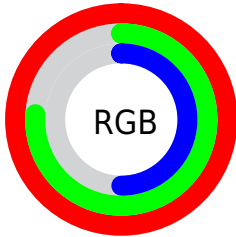
Format	Color
R_{YB}	245, 255, 128
Decimal	16761472
CIE _{Lab}	82.59, 14.24, 41.49
CIE _{LCh}	83, 43.868, 71.052
Yxy	61.4021, 0.4164, 0.3969
Android (android.graphics.Color)	4294951552 (0xFFFFC280)
YUV	204.7150, -37.8205, 44.0999
Hunter-Lab	78.3595, 9.6357, 33.0013

Details

The XYZ color **64.4281, 61.4021, 28.8781** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.1489, 48.2024, 101.5319**, and the grayscale version is **58.0556, 61.0791, 66.5151**.

A 20% lighter version of the original color is **83.8691, 93.0086, 57.7881**, and **33.4826, 31.0278, 11.2454** is the 20% darker color. If you saturate the color by 10%, you get **60.3420, 55.5869, 20.2503**, and if you desaturate by 10%, it is **69.1636, 67.8413, 39.8042**.

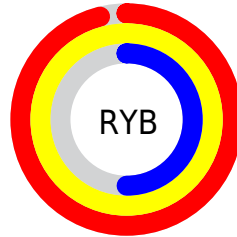
Distribution



Red (100%)

Green (76%)

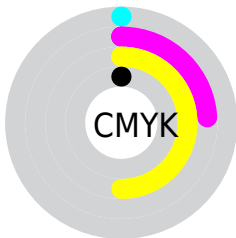
Blue (50%)



Red (96%)

Yellow (100%)

Blue (50%)

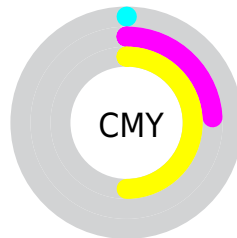


Cyan (0%)

Magenta (24%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4281, 61.4021, 28.8781 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 64.4281, 61.4021, 28.8781 by changing the saturation by 10% instead.


 64.4281, 61.4021,
28.8781

 64.4281, 61.4021,
28.8781


430.3117,
429.7468, 310.6823


 47.2605, 44.5498,
18.7438


 110.2975,
106.8609, 58.9232

 33.4504, 31.1029,
11.3104


 139.7300,
136.2362, 79.6712

 22.6326, 20.6772,
6.1592


 173.9816,
170.5546, 104.7941

 14.4417, 12.8883,
2.8718

213.4175,
210.2005, 134.7105

 8.5122, 7.3517,
1.0295

258.4031,
255.5582, 169.8390

 4.4790, 3.6830,
0.0000

309.3037,

 1.9765, 1.4979,

307.0123, 210.5981

0.0000

366.4848,
364.9470, 257.4064

0.6207, 0.2872,
0.0000

0.0000, 0.0000,
0.0000

64.4281, 61.4021,
28.8781

64.4281, 61.4021,
28.8781

60.3420, 55.5869,
20.2503

69.1636, 67.8413,
39.8042

56.8631, 50.3630,
13.7456

74.5781, 74.9174,
53.1787

53.9506, 45.7075,
9.1692

80.7045, 82.6541,
69.1431

51.5547, 41.5913,
6.2881

87.5719, 91.0708,
87.8272

■ 49.5991, 37.9739, 95.0499, 100.0000,
4.7300 108.9000

■ 49.5634, 37.9070,
4.7045

Harmonies

Analogous

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



73.0783, 61.4021, 38.2991



64.4281, 61.4021, 28.8781



54.9642, 61.4021, 27.8369

Triad

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



64.4281, 61.4021, 28.8781



42.3594, 61.4021, 77.2782



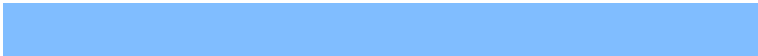
71.0532, 61.4021, 113.9777

Complementary

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



64.4281, 61.4021, 28.8781



45.1489, 48.2024, 101.5319

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.



61.8946, 61.4021, 131.6089



64.4281, 61.4021, 28.8781



45.7652, 61.4021, 106.9364

Square

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



64.4281, 61.4021, 28.8781



42.8817, 61.4021, 51.4189



52.6870, 61.4021, 128.7329



77.1778, 61.4021, 85.1106

Rectangle

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



64.4281, 61.4021, 28.8781



49.5260, 61.4021, 31.5950



52.6870, 61.4021, 128.7329



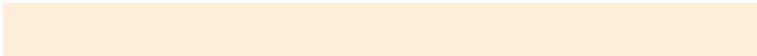
68.1885, 61.4021, 121.7246

Sweetspot

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



64.4296, 61.4051, 28.8793



83.9090, 86.6109, 77.7704



58.1864, 40.3896, 53.0923



17.6544, 18.1624, 15.8189



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.



64.4296, 61.4051, 28.8793



60.2679, 55.4785, 20.1023



80.1218, 93.9391, 34.3319



18.7904, 19.5490, 18.9273



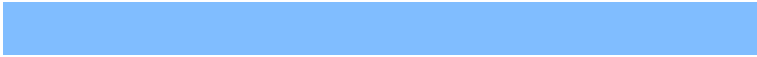
26.0485, 20.1082, 2.5084



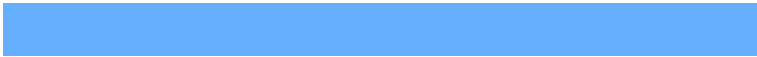
2.6457, 2.1767, 0.2807

Inverse Universe

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



45.1489, 48.2024, 101.5319



38.9533, 40.8923, 100.4477



34.9935, 27.4141, 98.0546



17.7228, 18.8173, 22.9480



13.2458, 11.4012, 50.9371



1.3984, 1.3274, 4.9958

Previews

White Background



This preview shows how the XYZ color 64.4281, 61.4021, 28.8781 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 64.4281, 61.4021, 28.8781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

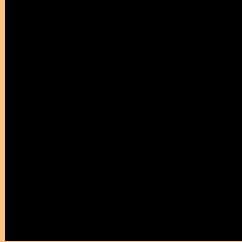
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4281, 61.4021, 28.8781

Background



This preview shows how black text looks on a background with the XYZ color 64.4281, 61.4021, 28.8781.



This preview shows how white text looks on a background with the XYZ color 64.4281, 61.4021,

28.8781.

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

64.4281, 61.4021, 28.8781

Protanopia

57.0454, 61.6834, 31.0898

Deuteranopia

62.8639, 61.6045, 28.6563



Tritanopia

69.6485, 61.3966, 62.8234

Trichromacy



Original Color

64.4281, 61.4021, 28.8781

Protanomaly

59.4782, 61.5419, 30.2167

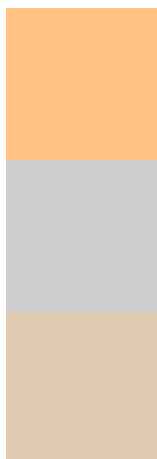
Deuteranomaly

63.3544, 61.5214, 28.6144

Tritanomaly

67.2934, 61.1429, 48.2994

Monochromacy



Original Color

64.4281, 61.4021, 28.8781

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

59.2539, 60.6356, 50.1758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4281, 61.4021, 28.8781 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, 194, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 128)  
}
```

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, 194, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 128) }
```

Border

The CSS property to change the border of an element to XYZ 64.4281, 61.4021, 28.8781 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, 194, 128) }
```


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

```
.border{ border-color:rgb(255, 194, 128) }
```

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

Here you see how a box with a 4 pixel rgb(255, 194, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4281, 61.4021, 28.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 128) }
```

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

```
.background{ background-color: rgb(255,  
194, 128) }
```

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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