

Converting Colors

XYZ(138.4589, 100.0000,
32.4784)

Have a look what the booklet for
XYZ(138.4589, 100.0000, 32.4784)
contains.

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Color

**XYZ(64.6514, 61.8487,
28.9526)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC380
RGB	255, 195, 128
RGB Percent	100%, 76%, 50%
CMY	0.0000, 0.2353, 0.4980
CMYK	0.00, 0.24, 0.50, 0.00
HSL	32°, 100%, 75%
HSV	32°, 50%, 100%
XYZ	64.6514, 61.8487, 28.9526
YIQ	205.3020, 57.2670, -8.1170

Conversions

Conversions Part 2

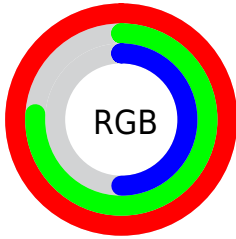
Format	Color
R_{YB}	242, 255, 128
Decimal	16761728
CIE _{Lab}	82.83, 13.72, 41.79
CIE _{LCh}	83, 43.988, 71.822
Yxy	61.8487, 0.4159, 0.3979
Android (android.graphics.Color)	4294951808 (0xFFFFC380)
YUV	205.3020, -38.1099, 43.5851
Hunter-Lab	78.6439, 9.1139, 33.2233

Details

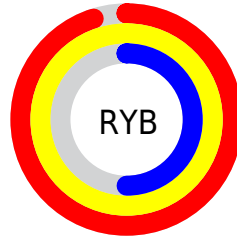
The XYZ color **64.6514, 61.8487, 28.9526** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.9346, 47.7738, 101.4604**, and the grayscale version is **58.4316, 61.4746, 66.9458**.

A 20% lighter version of the original color is **84.4939, 94.2582, 57.9963**, and **33.6294, 31.3213, 11.2943** is the 20% darker color. If you saturate the color by 10%, you get **60.5885, 56.0799, 20.3325**, and if you desaturate by 10%, it is **69.3568, 68.2277, 39.8687**.

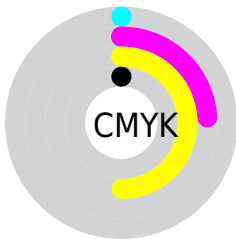
Distribution



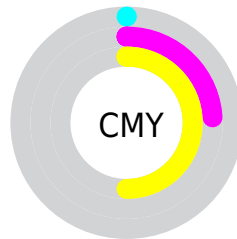
- Red (100%)
- Green (76%)
- Blue (50%)



- Red (95%)
- 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 64.6514, 61.8487, 28.9526 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 64.6514, 61.8487, 28.9526 by changing the saturation by 10% instead.

 64.6514, 61.8487,
28.9526


 64.6514, 61.8487,
28.9526


431.1032,
431.3790, 311.0452


 47.4421, 44.9105,
18.7997


 110.6170,
107.5068, 59.0431

 33.5947, 31.3869,
11.3503


 140.1041,
136.9955, 79.8177

 22.7438, 20.8936,
6.1858


 174.4145,
171.4365, 104.9700

 14.5241, 13.0463,
2.8878

213.9135,
211.2141, 134.9185

 8.5702, 7.4604,
1.0376

258.9665,
256.7127, 170.0817

 4.5168, 3.7517,
0.0000

309.9389,

 1.9984, 1.5356,

308.3168, 210.8782

0.0000

367.1960,
366.4108, 257.7265

0.6331, 0.3136,
0.0000

0.0000, 0.0000,
0.0000

64.6514, 61.8487,
28.9526

64.6514, 61.8487,
28.9526

60.5885, 56.0799,
20.3325

69.3568, 68.2277,
39.8687

57.1263, 50.8893,
13.8333

74.7341, 75.2293,
53.2307

54.2241, 46.2544,
9.2604

80.8158, 82.8767,
69.1803

51.8325, 42.1467,
6.3807

87.6309, 91.1888,
87.8470

■ 49.8754, 38.5266, 95.0499, 99.9999,
4.8221 108.9000

■ 49.8397, 38.4595,
4.7966

Harmonies

Analogous

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



73.4268, 61.8487, 38.2098



64.6514, 61.8487, 28.9526



55.1331, 61.8487, 28.1083

Triad

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



64.6514, 61.8487, 28.9526



42.7023, 61.8487, 78.6017



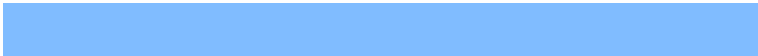
71.7832, 61.8487, 114.1636

Complementary

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



64.6514, 61.8487, 28.9526



44.9346, 47.7738, 101.4604

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.



62.5954, 61.8487, 132.3722



64.6514, 61.8487, 28.9526



46.2323, 61.8487, 108.4476

Square

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



64.6514, 61.8487, 28.9526



43.1261, 61.8487, 52.3476



53.2853, 61.8487, 130.0373



77.8392, 61.8487, 84.9584

Rectangle

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



64.6514, 61.8487, 28.9526



49.6970, 61.8487, 32.0387



53.2853, 61.8487, 130.0373



68.9192, 61.8487, 122.0862

Sweetspot

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



64.6529, 61.8517, 28.9538



83.9961, 86.7851, 77.7994



58.1864, 40.3897, 53.0924



17.6754, 18.2044, 15.8259



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.



64.6529, 61.8517, 28.9538



60.5148, 55.9723, 20.1846



80.1218, 93.9391, 34.3320



18.8027, 19.5735, 18.9314



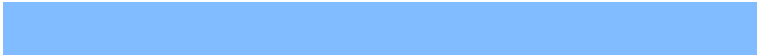
26.1932, 20.3976, 2.5566



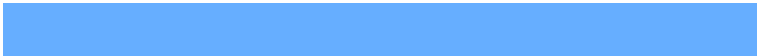
2.6598, 2.2049, 0.2854

Inverse Universe

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



44.9346, 47.7738, 101.4604



38.7190, 40.4239, 100.3696



34.9936, 27.4141, 98.0546



17.7107, 18.7929, 22.9439



13.1169, 11.1434, 50.8941



1.3855, 1.3017, 4.9915

Previews

White Background



This preview shows how the XYZ color 64.6514, 61.8487, 28.9526 looks on a white background.

Color Contrast Check

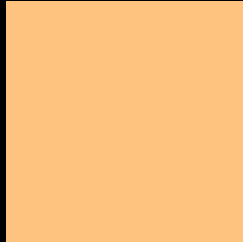
Large Text (above 18pt) WCAG AA × Fail

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 64.6514, 61.8487, 28.9526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

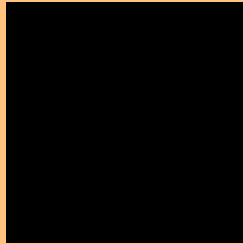
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6514, 61.8487, 28.9526

Background



This preview shows how black text looks on a background with the XYZ color 64.6514, 61.8487, 28.9526.



This preview shows how white text looks on a background with the XYZ color 64.6514, 61.8487,

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

64.6514, 61.8487, 28.9526

Protanopia

57.5290, 62.2991, 30.8226

Deuteranopia

63.2869, 61.8150, 29.0180



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

64.6514, 61.8487, 28.9526

Protanomaly

60.0447, 62.1834, 30.3106

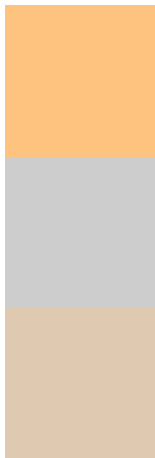
Deuteranomaly

63.7811, 61.7338, 28.9763

Tritanomaly

67.5108, 61.5776, 48.3719

Monochromacy



Original Color

64.6514, 61.8487, 28.9526

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 64.6514, 61.8487, 28.9526 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, 195, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 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, 195, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 128) }
```

Border

The CSS property to change the border of an element to XYZ 64.6514, 61.8487, 28.9526 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, 195, 128) }
```


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

```
.border{ border-color:rgb(255, 195, 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, 195, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6514, 61.8487, 28.9526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 128) }
```

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

```
.background{ background-color: rgb(255,  
195, 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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