

Converting Colors

XYZ(64.6977, 62.0735, 28.5602)

Have a look what the booklet for
XYZ(64.6977, 62.0735, 28.5602)
contains.

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Color

**XYZ(64.8107, 62.2722,
28.6825)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC47F
RGB	255, 196, 127
RGB Percent	100%, 77%, 50%
CMY	0.0000, 0.2313, 0.5020
CMYK	0.00, 0.23, 0.50, 0.00
HSL	32°, 100%, 75%
HSV	32°, 50%, 100%
XYZ	64.8107, 62.2722, 28.6825
YIQ	205.7750, 57.3130, -8.9510

Conversions

Conversions Part 2

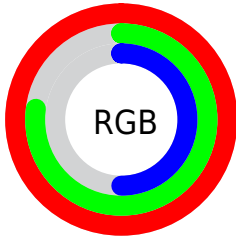
Format	Color
RYB	236, 255, 127
Decimal	16761983
CIELab	83.06, 13.11, 42.58
CIELCh	83, 44.555, 72.883
Yxy	62.2722, 0.4161, 0.3998
Android (android.graphics.Color)	4294952063 (0xFFFFC47F)
YUV	205.7750, -38.8361, 43.1703
Hunter-Lab	78.9127, 8.5040, 33.6887

Details

The XYZ color **64.8107, 62.2722, 28.6825** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.3605, 46.8478, 101.3119**, and the grayscale version is **58.7385, 61.7975, 67.2975**.

A 20% lighter version of the original color is **84.7058, 94.8468, 57.5588**, and **33.7425, 31.6036, 11.1592** is the 20% darker color. If you saturate the color by 10%, you get **60.8068, 56.5960, 20.1606**, and if you desaturate by 10%, it is **69.4458, 68.5380, 39.4908**.

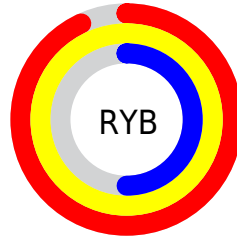
Distribution



Red (100%)

Green (77%)

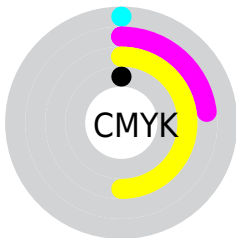
Blue (50%)



Red (93%)

Yellow (100%)

Blue (50%)

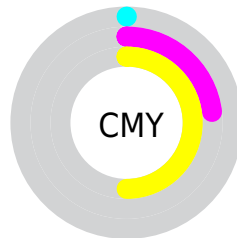


Cyan (0%)

Magenta (23%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8107, 62.2722, 28.6825 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 64.8107, 62.2722, 28.6825 by changing the saturation by 10% instead.

 64.8107, 62.2722,
28.6825

 64.8107, 62.2722,
28.6825


431.6674,
432.9233, 309.7279


 47.5717, 45.2527,
18.5973


 110.8449,
108.1188, 58.6084

 33.6977, 31.6565,
11.2058


 140.3708,
137.7147, 79.2862

 22.8232, 21.0993,
6.0895


 174.7231,
172.2716, 104.3318

 14.5830, 13.1966,
2.8299

214.2671,
212.1737, 134.1640

 8.6117, 7.5641,
1.0085

259.3682,
257.8056, 169.2011

 4.5438, 3.8173,
0.0000

310.3917,

 2.0142, 1.5719,

309.5515, 209.8618

0.0000

367.7029,
367.7960, 256.5645

■ 0.6419, 0.3385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8107, 62.2722,
28.6825

■ 64.8107, 62.2722,
28.6825

■ 60.8068, 56.5960,
20.1606

■ 69.4458, 68.5380,
39.4908

■ 57.3926, 51.4780,
13.7492

■ 74.7413, 75.4050,
52.7359

■ 54.5275, 46.8966,
9.2528

■ 80.7294, 82.8959,
68.5597

■ 52.1622, 42.8238,
6.4364

■ 87.4388, 91.0288,
87.0920

■ 50.2529, 39.2860,
4.9343

94.8965, 99.8213,
108.4537

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



73.8295, 62.2722, 37.7242



64.8107, 62.2722, 28.6825



55.1521, 62.2722, 28.1144

Triad

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



64.8107, 62.2722, 28.6825



42.9004, 62.2722, 80.3364



72.7133, 62.2722, 114.5940

Complementary

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



64.8107, 62.2722, 28.6825



44.3605, 46.8478, 101.3119

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.



63.4158, 62.2722, 133.8041



64.8107, 62.2722, 28.6825



46.6225, 62.2722, 110.7047

Square

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



64.8107, 62.2722, 28.6825



43.1870, 62.2722, 53.3536



53.9000, 62.2722, 132.2137



78.7207, 62.2722, 84.6526

Rectangle

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



64.8107, 62.2722, 28.6825



49.6873, 62.2722, 32.2904



53.9000, 62.2722, 132.2137



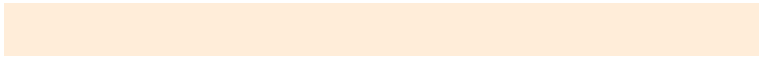
69.8282, 62.2722, 122.8433

Sweetspot

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



64.8122, 62.2752, 28.6837



84.1236, 87.0402, 77.8419



57.7707, 40.0157, 51.5436



17.7061, 18.2657, 15.8361



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.



64.8122, 62.2752, 28.6837



60.8794, 56.7016, 20.3062



79.2783, 93.5118, 33.9506



18.8206, 19.6094, 18.9374



26.4095, 20.8302, 2.6287



2.6807, 2.2468, 0.2924

Inverse Universe

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



44.3605, 46.8478, 101.3119



38.3805, 39.7467, 100.2568



35.0413, 27.2460, 98.0195



17.6929, 18.7574, 22.9380



12.9332, 10.7759, 50.8329



1.3671, 1.2649, 4.9854

Previews

White Background



This preview shows how the XYZ color 64.8107, 62.2722, 28.6825 looks on a white background.

Color Contrast Check

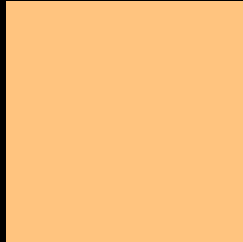
Large Text (above 18pt) WCAG AA × Fail

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 64.8107, 62.2722, 28.6825 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 64.8107, 62.2722, 28.6825

Background



This preview shows how black text looks on a background with the XYZ color 64.8107, 62.2722, 28.6825.



This preview shows how white text looks on a background with the XYZ color 64.8107, 62.2722,

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

64.8107, 62.2722, 28.6825

Protanopia

57.7736, 62.4331, 30.4785

Deuteranopia

63.8085, 62.4297, 28.7657



Tritanopia

70.3141, 62.3512, 64.2061

Trichromacy



Original Color

64.8107, 62.2722, 28.6825

Protanomaly

60.3103, 62.3281, 29.9709

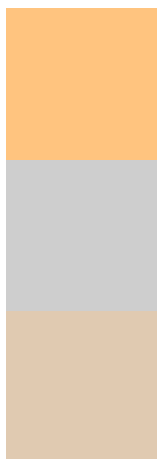
Deuteranomaly

63.9419, 62.1603, 28.7067

Tritanomaly

67.8275, 62.0544, 48.9602

Monochromacy



Original Color

64.8107, 62.2722, 28.6825

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.7968, 61.2627, 50.2682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8107, 62.2722, 28.6825 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, 196, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 127)  
}
```

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, 196, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 127) }
```

Border

The CSS property to change the border of an element to XYZ 64.8107, 62.2722, 28.6825 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, 196, 127) }
```


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

```
.border{ border-color:rgb(255, 196, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8107, 62.2722, 28.6825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 127) }
```

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

```
.background{ background-color: rgb(255,  
196, 127) }
```

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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