

Converting Colors

XYZ(64.7865, 62.4983, 27.8292)

Have a look what the booklet for
XYZ(64.7865, 62.4983, 27.8292)
contains.

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Color

**XYZ(64.8443, 62.6477,
27.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC57C
RGB	255, 197, 124
RGB Percent	100%, 77%, 49%
CMY	0.0000, 0.2274, 0.5137
CMYK	0.00, 0.23, 0.51, 0.00
HSL	33°, 100%, 74%
HSV	33°, 51%, 100%
XYZ	64.8443, 62.6477, 27.7433
YIQ	206.0200, 58.0010, -10.4070

Conversions

Conversions Part 2

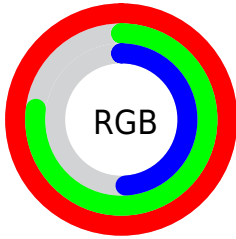
Format	Color
R _Y B	228, 255, 124
Decimal	16762236
CIE Lab	83.26, 12.33, 44.34
CIE LCh	83, 46.022, 74.455
Yxy	62.6477, 0.4177, 0.4036
Android (android.graphics.Color)	4294952316 (0xFFFFC57C)
YUV	206.0200, -40.4359, 42.9555
Hunter-Lab	79.1503, 7.7240, 34.6232

Details

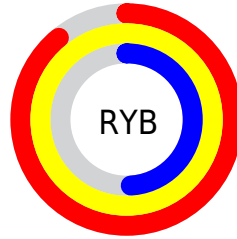
The XYZ color **64.8443, 62.6477, 27.7433** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.0893, 44.9591, 101.0143**, and the grayscale version is **58.9051, 61.9728, 67.4883**.

A 20% lighter version of the original color is **84.7177, 95.3580, 56.0603**, and **33.7900, 31.8617, 10.6723** is the 20% darker color. If you saturate the color by 10%, you get **60.9677, 57.1503, 19.4977**, and if you desaturate by 10%, it is **69.3328, 68.7019, 38.2509**.

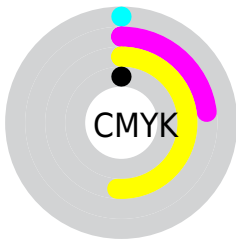
Distribution



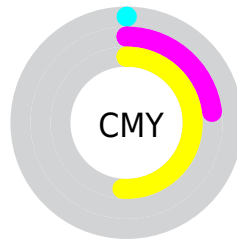
- Red (100%)
- Green (77%)
- Blue (49%)



- Red (89%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (51%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8443, 62.6477, 27.7433 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 64.8443, 62.6477, 27.7433 by changing the saturation by 10% instead.


 64.8443, 62.6477,
27.7433

 64.8443, 62.6477,
27.7433


431.7863,
434.2898, 305.1115


 47.5991, 45.5563,
17.8949


 110.8929,
108.6611, 57.0925

 33.7194, 31.8958,
10.7059


 140.4271,
138.3518, 77.4304

 22.8400, 21.2819,
5.7578


 174.7882,
173.0111, 102.1018

 14.5955, 13.3302,
2.6320

214.3417,
213.0234, 131.5254

 8.6204, 7.6563,
0.9089

259.4529,
258.7730, 166.1196

 4.5496, 3.8758,
0.0000

310.4871,

 2.0175, 1.6044,

310.6443, 206.3030

0.0000

367.8098,
369.0218, 252.4941

■ 0.6438, 0.3605,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8443, 62.6477,
27.7433

■ 64.8443, 62.6477,
27.7433

■ 60.9677, 57.1503,
19.4977

■ 69.3328, 68.7019,
38.2509

■ 57.6615, 52.1791,
13.3362

■ 74.4622, 75.3237,
51.1728

■ 54.8852, 47.7133,
9.0596

■ 80.2644, 82.5345,
66.6520

■ 52.5887, 43.7260,
6.4274

■ 86.7680, 90.3519,
84.8194

50.9293, 40.6388,
5.1598

93.9995, 98.7924,
105.7967

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.



74.3412, 62.6477, 36.4736



64.8443, 62.6477, 27.7433



54.8756, 62.6477, 27.5949

Triad

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



64.8443, 62.6477, 27.7433



42.8081, 62.6477, 82.8933



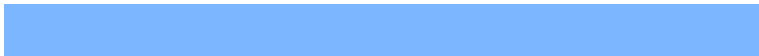
74.0421, 62.6477, 115.5183

Complementary

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



64.8443, 62.6477, 27.7433



43.0893, 44.9591, 101.0143

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.



64.4715, 62.6477, 136.5860



64.8443, 62.6477, 27.7433



46.8547, 62.6477, 114.4704

Square

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



64.8443, 62.6477, 27.7433



42.8840, 62.6477, 54.5018



54.5421, 62.6477, 136.1562



80.0428, 62.6477, 84.0494

Rectangle

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



64.8443, 62.6477, 27.7433



49.3213, 62.6477, 32.1531



54.5421, 62.6477, 136.1562



71.0915, 62.6477, 124.3976

Sweetspot

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



64.8458, 62.6507, 27.7445



84.3258, 87.4446, 77.9093



56.9899, 39.0926, 49.3149



17.7548, 18.3632, 15.8523



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.



64.8458, 62.6507, 27.7445



60.7438, 56.8228, 19.0512



78.2691, 93.0137, 32.8977



18.8490, 19.6662, 18.9468



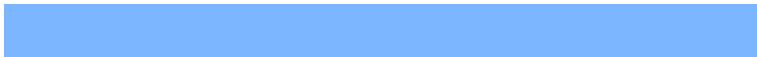
26.7631, 21.5375, 2.7466



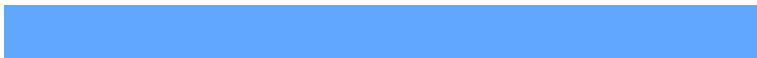
2.7148, 2.3150, 0.3037

Inverse Universe

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



43.0893, 44.9591, 101.0143



36.7679, 37.3535, 99.8798



34.5487, 26.4254, 97.8870



17.6649, 18.7013, 22.9286



12.6538, 10.2173, 50.7398



1.3389, 1.2084, 4.9760

Previews

White Background



This preview shows how the XYZ color 64.8443, 62.6477, 27.7433 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 64.8443, 62.6477, 27.7433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

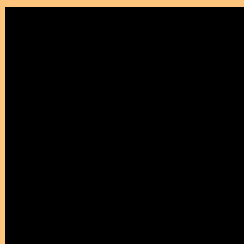
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8443, 62.6477, 27.7433

Background



This preview shows how black text looks on a background with the XYZ color 64.8443, 62.6477, 27.7433.



This preview shows how white text looks on a background with the XYZ color 64.8443, 62.6477,

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

64.8443, 62.6477, 27.7433

Protanopia

58.1307, 63.0012, 29.5187

Deuteranopia

63.9771, 62.5388, 27.7680



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

64.8443, 62.6477, 27.7433

Protanomaly

60.3487, 62.7226, 29.0046

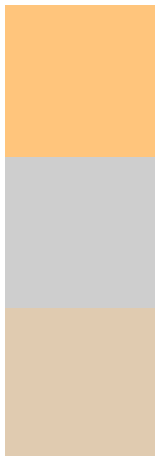
Deuteranomaly

64.3402, 62.7260, 27.7850

Tritanomaly

67.9499, 62.4559, 48.5182

Monochromacy



Original Color

64.8443, 62.6477, 27.7433

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.9329, 61.6938, 49.8236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8443, 62.6477, 27.7433 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, 197, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 124)  
}
```

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, 197, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 124) }
```

Border

The CSS property to change the border of an element to XYZ 64.8443, 62.6477, 27.7433 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, 197, 124) }
```


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

```
.border{ border-color:rgb(255, 197, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8443, 62.6477, 27.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 124) }
```

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

```
.background{ background-color: rgb(255,  
197, 124) }
```

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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