

Converting Colors

XYZ(63.8517, 60.2161, 28.7889)

Have a look what the booklet for
XYZ(63.8517, 60.2161, 28.7889)
contains.

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Color

**XYZ(63.7671, 60.0801,
28.6578)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBF80
RGB	255, 191, 128
RGB Percent	100%, 75%, 50%
CMY	0.0000, 0.2510, 0.4980
CMYK	0.00, 0.25, 0.50, 0.00
HSL	30°, 100%, 75%
HSV	30°, 50%, 100%
XYZ	63.7671, 60.0801, 28.6578
YIQ	202.9540, 58.3670, -6.0250

Conversions

Conversions Part 2

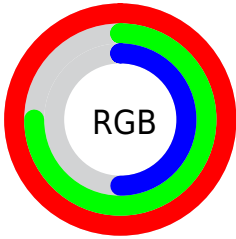
Format	Color
RYB	255, 253, 128
Decimal	16760704
CIELab	81.88, 15.81, 40.59
CIELCh	82, 43.560, 68.720
Yxy	60.0801, 0.4181, 0.3940
Android (android.graphics.Color)	4294950784 (0xFFFFBF80)
YUV	202.9540, -36.9523, 45.6443
Hunter-Lab	77.5114, 11.2036, 32.3370

Details

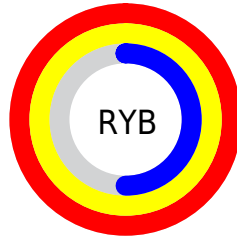
The XYZ color **63.7671, 60.0801, 28.6578** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.8009, 49.5065, 101.7492**, and the grayscale version is **56.9362, 59.9013, 65.2326**.

A 20% lighter version of the original color is **82.9443, 91.1589, 57.4798**, and **33.1930, 30.4485, 11.1489** is the 20% darker color. If you saturate the color by 10%, you get **59.6149, 54.1327, 20.0079**, and if you desaturate by 10%, it is **68.5898, 66.6937, 39.6129**.

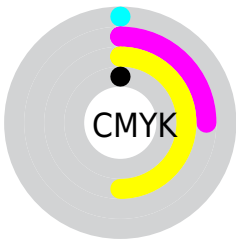
Distribution



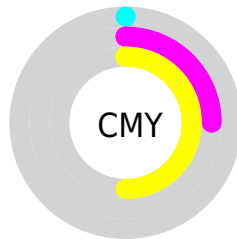
- Red (100%)
- Green (75%)
- Blue (50%)



- Red (100%)
- Yellow (99%)
- Blue (50%)



- Cyan (0%)
- Magenta (25%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7671, 60.0801, 28.6578 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 63.7671, 60.0801, 28.6578 by changing the saturation by 10% instead.


 63.7671, 60.0801,
28.6578


 63.7671, 60.0801,
28.6578


427.9637,
424.8930, 309.6072


 46.7230, 43.4832,
18.5788


 109.3511,
104.9459, 58.5686

 33.0238, 30.2644,
11.1926

 138.6217,
133.9835, 79.2375

 22.3040, 20.0394,
6.0807


 172.6985,
167.9368, 104.2734

 14.1983, 12.4237,
2.8246

211.9470,
207.1903, 134.0949

 8.3413, 7.0329,
1.0058

256.7323,
252.1282, 169.1204

 4.3678, 3.4827,
0.0000

307.4200,

 1.9122, 1.3886,

303.1351, 209.7686

0.0000

364.3753,
360.5952, 256.4580

■ 0.5839, 0.2083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7671, 60.0801,
28.6578

■ 63.7671, 60.0801,
28.6578

■ 59.6149, 54.1327,
20.0079

■ 68.5898, 66.6937,
39.6129

■ 56.0903, 48.8174,
13.4880

■ 74.1137, 73.9885,
53.0239

■ 53.1515, 44.1092,
8.9029

■ 80.3722, 81.9896,
69.0324

■ 50.7475, 39.9769,
6.0190

■ 87.3955, 90.7180,
87.7684

■ 48.8011, 36.3780, 95.0499, 99.9999,
4.4640 108.9000

■ 48.7658, 36.3118,
4.4386

Harmonies

Analogous

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



72.0458, 60.0801, 38.5716



63.7671, 60.0801, 28.6578



54.4645, 60.0801, 27.0350

Triad

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



63.7671, 60.0801, 28.6578



41.3448, 60.0801, 73.4013



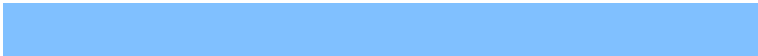
68.8981, 60.0801, 113.4327

Complementary

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



63.7671, 60.0801, 28.6578



45.8009, 49.5065, 101.7492

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.



59.8281, 60.0801, 129.3482



63.7671, 60.0801, 28.6578



44.3861, 60.0801, 102.4942

Square

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



63.7671, 60.0801, 28.6578



42.1576, 60.0801, 48.7012



50.9226, 60.0801, 124.8821



75.2224, 60.0801, 85.5772

Rectangle

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



63.7671, 60.0801, 28.6578



49.0196, 60.0801, 30.2902



50.9226, 60.0801, 124.8821



66.0324, 60.0801, 120.6556

Sweetspot

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



63.7686, 60.0830, 28.6590



83.6485, 86.0901, 77.6836



58.6540, 40.5767, 55.5547



17.5918, 18.0372, 15.7980



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.



63.7686, 60.0830, 28.6590



59.5397, 54.0221, 19.8596



80.2247, 92.9953, 34.1444



18.7537, 19.4756, 18.9151



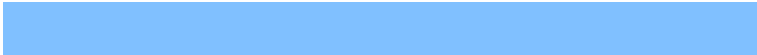
25.6303, 19.2718, 2.3690



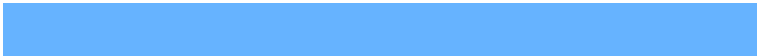
2.6046, 2.0947, 0.2670

Inverse Universe

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



45.8009, 49.5065, 101.7492



39.6687, 42.3232, 100.6862



34.9508, 27.8062, 98.1325



17.7595, 18.8905, 22.9602



13.6482, 12.2059, 51.0712



1.4381, 1.4070, 5.0090

Previews

White Background



This preview shows how the XYZ color 63.7671, 60.0801, 28.6578 looks on a white background.

Color Contrast Check

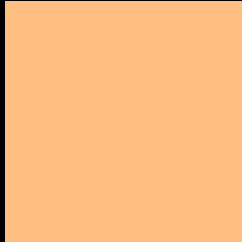
Large Text (above 18pt) WCAG AA × Fail

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 63.7671, 60.0801, 28.6578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

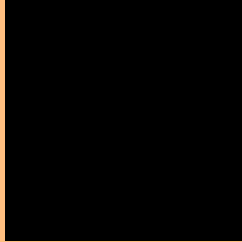
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7671, 60.0801, 28.6578

Background



This preview shows how black text looks on a background with the XYZ color 63.7671, 60.0801, 28.6578.



This preview shows how white text looks on a background with the XYZ color 63.7671, 60.0801,

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

63.7671, 60.0801, 28.6578

Protanopia

55.9507, 60.4088, 30.9014

Deuteranopia

61.3519, 60.1553, 28.4562



Tritanopia

68.6670, 59.9891, 60.7832

Trichromacy



Original Color

63.7671, 60.0801, 28.6578

Protanomaly

58.4518, 59.9780, 29.9689

Deuteranomaly

62.1895, 60.2556, 28.4314

Tritanomaly

66.4567, 59.7792, 47.0656

Monochromacy



Original Color

63.7671, 60.0801, 28.6578

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.3841, 59.5110, 49.4839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7671, 60.0801, 28.6578 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, 191, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 128) }
```

Border

The CSS property to change the border of an element to XYZ 63.7671, 60.0801, 28.6578 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, 191, 128) }
```


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

```
.border{ border-color:rgb(255, 191, 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, 191, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7671, 60.0801, 28.6578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 128) }
```

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

```
.background{ background-color: rgb(255,  
191, 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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