

Converting Colors

XYZ(86.1012, 78.4224, 29.8031)

Have a look what the booklet for
XYZ(86.1012, 78.4224, 29.8031)
contains.

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Color

**XYZ(68.1724, 69.3038,
28.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD37C
RGB	255, 211, 124
RGB Percent	100%, 83%, 49%
CMY	0.0000, 0.1725, 0.5137
CMYK	0.00, 0.17, 0.51, 0.00
HSL	40°, 100%, 74%
HSV	40°, 51%, 100%
XYZ	68.1724, 69.3038, 28.8527
YIQ	214.2380, 54.1510, -17.7290

Conversions

Conversions Part 2

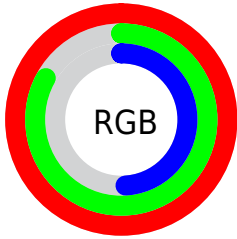
Format	Color
R_{YB}	190, 255, 124
Decimal	16765820
CIE _{Lab}	86.65, 5.09, 48.53
CIE _{LCh}	87, 48.795, 84.008
Yxy	69.3038, 0.4099, 0.4167
Android (android.graphics.Color)	4294955900 (0xFFFFD37C)
YUV	214.2380, -44.4873, 35.7483
Hunter-Lab	83.2489, 0.4878, 37.7253

Details

The XYZ color **68.1724, 69.3038, 28.8527** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.3643, 39.5089, 100.1060**, and the grayscale version is **64.3432, 67.6940, 73.7188**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **35.9916, 36.3176, 11.2439** is the 20% darker color. If you saturate the color by 10%, you get **64.6929, 64.6006, 20.7396**, and if you desaturate by 10%, it is **72.1855, 74.4071, 39.2020**.

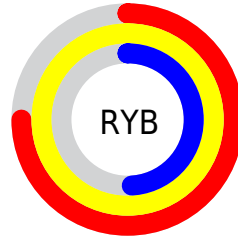
Distribution



Red (100%)

Green (83%)

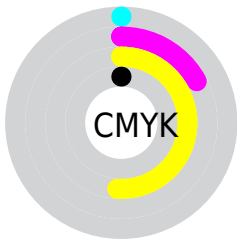
Blue (49%)



Red (75%)

Yellow (100%)

Blue (49%)

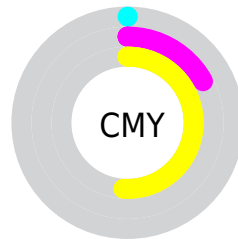


Cyan (0%)

Magenta (17%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1724, 69.3038, 28.8527 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 68.1724, 69.3038, 28.8527 by changing the saturation by 10% instead.


 68.1724, 69.3038,
28.8527


 68.1724, 69.3038,
28.8527


443.4737,
458.1017, 310.5585


 50.3122, 50.9592,
18.7248


 115.6393,
118.2154, 58.8824

 35.8803, 36.1761,
11.2968

 145.9767,
149.5511, 79.6212

 24.5115, 24.5702,
6.1502


 181.2039,
185.9860, 104.7341

 15.8402, 15.7572,
2.8663

221.6862,
227.9045, 134.6396

 9.5013, 9.3525,
1.0268

267.7889,
275.6909, 169.7563

 5.1293, 4.9718,
0.0000

319.8776,

 2.3589, 2.2307,

329.7296, 210.5026

0.0000

378.3174,
390.4051, 257.2972

■ 0.8245, 0.7367,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1724, 69.3038,
28.8527

■ 68.1724, 69.3038,
28.8527

■ 64.6929, 64.6006,
20.7396

■ 72.1855, 74.4071,
39.2020

■ 61.7075, 60.2709,
14.6849

■ 76.7583, 79.9158,
51.9384

■ 59.1782, 56.2994,
10.4906

■ 81.9208, 85.8471,
67.2045

■ 57.0579, 52.6642,
7.9171

■ 87.6993, 92.2142,
85.1302

■ 55.4954, 49.7710,
6.6818

94.1182, 99.0294,
105.8366

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



79.5260, 69.3038, 35.3892



68.1724, 69.3038, 28.8527



57.3965, 69.3038, 31.6003

Triad

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



68.1724, 69.3038, 28.8527



47.9020, 69.3038, 103.8081



85.1235, 69.3038, 118.4014

Complementary

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



68.1724, 69.3038, 28.8527



40.3643, 39.5089, 100.1060

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.



75.1415, 69.3038, 148.0366



68.1724, 69.3038, 28.8527



53.8764, 69.3038, 138.0594

Square

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



68.1724, 69.3038, 28.8527



46.4879, 69.3038, 69.1305



63.6223, 69.3038, 156.1059



90.0086, 69.3038, 82.1646

Rectangle

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



68.1724, 69.3038, 28.8527



51.8611, 69.3038, 38.8835



63.6223, 69.3038, 156.1059



82.2014, 69.3038, 129.8392

Sweetspot

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



68.1741, 69.3071, 28.8541



85.5300, 89.8530, 78.3107



55.6895, 38.5726, 42.4667



18.0453, 18.9443, 15.9492



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.



68.1741, 69.3071, 28.8541



64.4913, 64.3177, 20.3003



73.7748, 90.6969, 32.6876



19.0172, 20.0027, 19.0029



29.1410, 26.2933, 3.5392



2.9382, 2.7618, 0.3782

Inverse Universe

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



40.3643, 39.5089, 100.1060



33.8747, 31.5670, 98.9154



36.6989, 27.5339, 97.9878



17.5015, 18.3745, 22.8742



11.2778, 7.4651, 50.2811



1.1941, 0.9188, 4.9277

Previews

White Background



This preview shows how the XYZ color 68.1724, 69.3038, 28.8527 looks on a white background.

Color Contrast Check

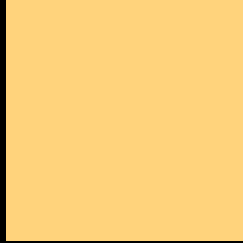
Large Text (above 18pt) WCAG AA × Fail

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 68.1724, 69.3038, 28.8527 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 68.1724, 69.3038, 28.8527

Background



This preview shows how black text looks on a background with the XYZ color 68.1724, 69.3038, 28.8527.



This preview shows how white text looks on a background with the XYZ color 68.1724, 69.3038,

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

68.1724, 69.3038, 28.8527

Protanopia

63.8386, 69.3092, 29.7520

Deuteranopia

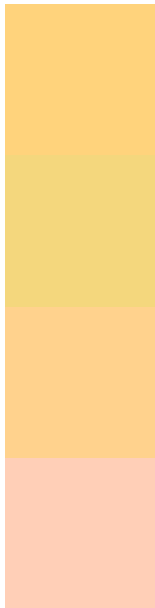
69.6264, 69.0953, 38.9452



Tritanopia

75.2275, 69.4036, 74.3971

Trichromacy



Original Color

68.1724, 69.3038, 28.8527

Protanomaly

65.3103, 69.3146, 29.3389

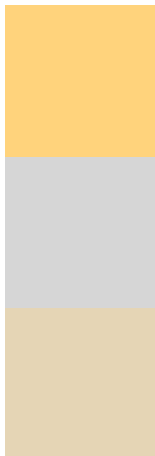
Deuteranomaly

69.0943, 69.2763, 34.9293

Tritanomaly

72.1001, 69.3045, 54.3768

Monochromacy



Original Color

68.1724, 69.3038, 28.8527

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.4478, 67.5827, 53.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1724, 69.3038, 28.8527 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, 211, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 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, 211, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 124) }
```

Border

The CSS property to change the border of an element to XYZ 68.1724, 69.3038, 28.8527 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, 211, 124) }
```


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

```
.border{ border-color:rgb(255, 211, 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, 211, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1724, 69.3038, 28.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 124) }
```

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

```
.background{ background-color: rgb(255,  
211, 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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