

Converting Colors

XYZ(121.3824, 100.0000,
22.8548)

Have a look what the booklet for
XYZ(121.3824, 100.0000, 22.8548)
contains.

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Color

**XYZ(68.4598, 72.6784,
20.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB5B
RGB	255, 219, 91
RGB Percent	100%, 86%, 36%
CMY	0.0000, 0.1411, 0.6431
CMYK	0.00, 0.14, 0.64, 0.00
HSL	47°, 100%, 68%
HSV	47°, 64%, 100%
XYZ	68.4598, 72.6784, 20.3176
YIQ	215.1720, 62.5440, -32.1760

Conversions

Conversions Part 2

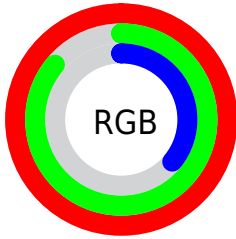
Format	Color
RYB	137, 255, 91
Decimal	16767835
CIELab	88.29, -1.35, 65.53
CIElCh	88, 65.543, 91.177
Yxy	72.6784, 0.4240, 0.4501
Android (android.graphics.Color)	4294957915 (0xFFFFDB5B)
YUV	215.1720, -61.2168, 34.9292
Hunter-Lab	85.2516, -5.8491, 45.5458

Details

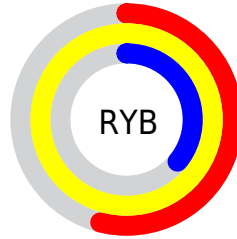
The XYZ color **68.4598, 72.6784, 20.3176** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.9534, 24.6220, 97.7808**, and the grayscale version is **65.0818, 68.4711, 74.5650**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **36.0556, 38.2628, 6.9240** is the 20% darker color. If you saturate the color by 10%, you get **66.1061, 69.4426, 14.9975**, and if you desaturate by 10%, it is **71.2396, 76.1688, 27.6243**.

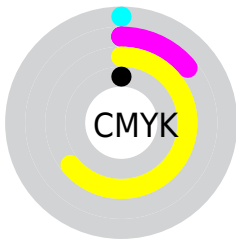
Distribution



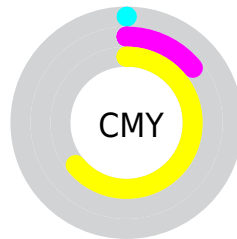
- Red (100%)
- Green (86%)
- Blue (36%)



- Red (54%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (14%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4598, 72.6784, 20.3176 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 68.4598, 72.6784, 20.3176 by changing the saturation by 10% instead.


 68.4598, 72.6784,
20.3176

 68.4598, 72.6784,
20.3176


444.4746,
469.8994, 266.2902


 50.5469, 53.7130,
12.4398


 116.0480,
123.0205, 44.8150


 36.0677, 38.3723,
6.9178


 146.4540,
155.1661, 62.2716

 24.6569, 26.2718,
3.3330


 181.7551,
192.4739, 83.7582

 15.9490, 17.0271,
1.2671

 222.3167,
235.3282, 109.6933

 9.5787, 10.2538,
0.0346

268.5041,
284.1136, 140.4956

 5.1806, 5.5675,
0.0000

320.6826,

 2.3895, 2.5840,

339.2143, 176.5834

0.0000

379.2177,
401.0148, 218.3755

■ 0.8399, 0.9186,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4598, 72.6784,
20.3176

■ 68.4598, 72.6784,
20.3176

■ 66.1061, 69.4426,
14.9975

■ 71.2396, 76.1688,
27.6243

■ 64.1333, 66.4341,
11.4507


■ 74.4749, 79.9179,
37.0930


■ 62.4940, 63.6361,
9.4228

■ 78.1982, 83.9422,
48.8847

■ 61.6710, 62.1225,
8.7404

■ 82.4374, 88.2537,
63.1438

 87.2181, 92.8632,
80.0030

 92.5640, 97.7810,
99.5854

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



84.6932, 72.6784, 24.9546



68.4598, 72.6784, 20.3176



54.5878, 72.6784, 25.7873

Triad

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



68.4598, 72.6784, 20.3176



46.3183, 72.6784, 132.9160



99.0757, 72.6784, 128.6128

Complementary

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



68.4598, 72.6784, 20.3176



29.9534, 24.6220, 97.7808

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.



85.9308, 72.6784, 178.6580



68.4598, 72.6784, 20.3176



55.5118, 72.6784, 181.7348

Square

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



68.4598, 72.6784, 20.3176



43.0596, 72.6784, 80.9254



69.7012, 72.6784, 201.0071



103.9046, 72.6784, 77.3701

Rectangle

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



68.4598, 72.6784, 20.3176



48.1113, 72.6784, 36.3376



69.7012, 72.6784, 201.0071



95.3938, 72.6784, 146.7241

Sweetspot

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



68.4615, 72.6819, 20.3191



84.9086, 90.6652, 71.7684



48.9615, 30.3348, 24.1375



17.8851, 19.1260, 14.3477



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.



68.4615, 72.6819, 20.3191



65.5406, 68.6126, 13.8794



64.5887, 86.1632, 23.1253



19.2031, 20.3744, 19.0649



32.3400, 32.6912, 4.6055



3.2284, 3.3423, 0.4750

Inverse Universe

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



29.9534, 24.6220, 97.7808



24.5591, 17.5915, 96.7088



31.7405, 19.8317, 96.7620



17.3262, 18.0240, 22.8157



10.2585, 5.4267, 49.9414



1.0752, 0.6812, 4.8881

Previews

White Background



This preview shows how the XYZ color 68.4598, 72.6784, 20.3176 looks on a white background.

Color Contrast Check

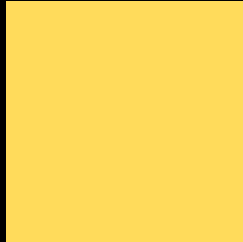
Large Text (above 18pt) WCAG AA × Fail

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 68.4598, 72.6784, 20.3176 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 68.4598, 72.6784, 20.3176

Background



This preview shows how black text looks on a background with the XYZ color 68.4598, 72.6784, 20.3176.



This preview shows how white text looks on a background with the XYZ color 68.4598, 72.6784,

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

68.4598, 72.6784, 20.3176

Protanopia

66.4108, 72.7894, 20.6748

Deuteranopia

71.9735, 72.4341, 43.9060



Tritanopia

77.3377, 72.5736, 78.3386

Trichromacy



Original Color

68.4598, 72.6784, 20.3176

Protanomaly

67.2126, 72.8096, 20.6364

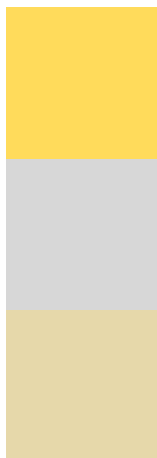
Deuteranomaly

70.2398, 72.1493, 33.5167

Tritanomaly

72.6742, 71.9045, 50.0930

Monochromacy



Original Color

68.4598, 72.6784, 20.3176

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.4447, 68.8370, 47.9205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4598, 72.6784, 20.3176 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, 219, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 91)  
}
```

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, 219, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 91) }
```

Border

The CSS property to change the border of an element to XYZ 68.4598, 72.6784, 20.3176 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, 219, 91) }
```


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

```
.border{ border-color:rgb(255, 219, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4598, 72.6784, 20.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 91) }
```

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

```
.background{ background-color: rgb(255,  
219, 91) }
```

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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