

Converting Colors

XYZ(68.1199, 71.9736, 20.2810)

Have a look what the booklet for
XYZ(68.1199, 71.9736, 20.2810)
contains.

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Color

**XYZ(68.1997, 72.1581,
20.2309)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA5B
RGB	255, 218, 91
RGB Percent	100%, 85%, 36%
CMY	0.0000, 0.1451, 0.6431
CMYK	0.00, 0.15, 0.64, 0.00
HSL	46°, 100%, 68%
HSV	46°, 64%, 100%
XYZ	68.1997, 72.1581, 20.2309
YIQ	214.5850, 62.8190, -31.6530

Conversions

Conversions Part 2

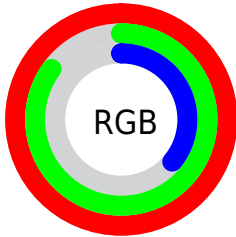
Format	Color
RYB	139, 255, 91
Decimal	16767579
CIELab	88.04, -0.84, 65.26
CIELCh	88, 65.267, 90.737
Yxy	72.1581, 0.4247, 0.4493
Android (android.graphics.Color)	4294957659 (0xFFFFDA5B)
YUV	214.5850, -60.9274, 35.4440
Hunter-Lab	84.9459, -5.3448, 45.3415

Details

The XYZ color **68.1997, 72.1581, 20.2309** 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 **30.0833, 24.8817, 97.8242**, and the grayscale version is **64.6814, 68.0498, 74.1063**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **35.8774, 37.9063, 6.8645** is the 20% darker color. If you saturate the color by 10%, you get **65.8157, 68.8618, 14.9007**, and if you desaturate by 10%, it is **71.0124, 75.7143, 27.5486**.

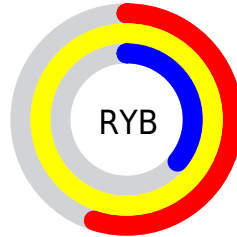
Distribution



Red (100%)

Green (85%)

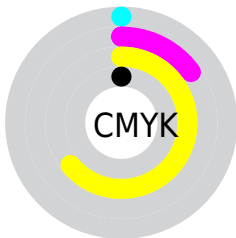
Blue (36%)



Red (55%)

Yellow (100%)

Blue (36%)

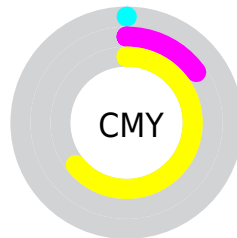


Cyan (0%)

Magenta (15%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1997, 72.1581, 20.2309 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 68.1997, 72.1581, 20.2309 by changing the saturation by 10% instead.


 68.1997, 72.1581,
20.2309

 68.1997, 72.1581,
20.2309


443.5689,
468.0917, 265.8078


 50.3345, 53.2878,
12.3773


 115.6781,
122.2813, 44.6680


 35.8981, 38.0326,
6.8755


 146.0220,
154.3030, 62.0886

 24.5253, 26.0080,
3.3071


 181.2562,
191.4773, 83.5352

 15.8506, 16.8296,
1.2535

 221.7461,
234.1886, 109.4264

 9.5086, 10.1131,
0.0232

267.8569,
282.8213, 140.1807

 5.1342, 5.4740,
0.0000

319.9541,

 2.3618, 2.5280,

337.7598, 176.2167

0.0000

378.4029,
399.3885, 217.9529

■ 0.8260, 0.8906,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1997, 72.1581,
20.2309

■ 68.1997, 72.1581,
20.2309

■ 65.8157, 68.8618,
14.9007

■ 71.0124, 75.7143,
27.5486

■ 63.8153, 65.7981,
11.3447

■ 74.2834, 79.5347,
37.0292

■ 62.1510, 62.9501,
9.3085

■ 78.0451, 83.6358,
48.8336

■ 61.3149, 61.4102,
8.6217

■ 82.3255, 88.0297,
63.1065

■ 87.1501, 92.7273,
79.9804

■ 92.5430, 97.7389,
99.5785

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



84.2873, 72.1581, 24.9882



68.1997, 72.1581, 20.2309



54.3900, 72.1581, 25.5057

Triad

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



68.1997, 72.1581, 20.2309



45.9318, 72.1581, 131.0539



98.1637, 72.1581, 128.3853

Complementary

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



68.1997, 72.1581, 20.2309



30.0833, 24.8817, 97.8242

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.



85.0550, 72.1581, 177.7323



68.1997, 72.1581, 20.2309



54.9635, 72.1581, 179.6398

Square

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



68.1997, 72.1581, 20.2309



42.7884, 72.1581, 79.6761



68.9700, 72.1581, 199.2977



103.0941, 72.1581, 77.4701

Rectangle

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



68.1997, 72.1581, 20.2309



47.9143, 72.1581, 35.8318



68.9700, 72.1581, 199.2977



94.4787, 72.1581, 146.2989

Sweetspot

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



68.2014, 72.1616, 20.2323



84.8196, 90.4872, 71.7387



48.9615, 30.3348, 24.1375



17.8634, 19.0825, 14.3404



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.



68.2014, 72.1616, 20.2323



65.2424, 68.0163, 13.7801



64.5888, 86.1633, 23.1254



19.1933, 20.3548, 19.0616



32.1559, 32.3230, 4.5442



3.2120, 3.3093, 0.4695

Inverse Universe

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



30.0833, 24.8817, 97.8242



24.6773, 17.8279, 96.7482



31.7405, 19.8318, 96.7622



17.3353, 18.0422, 22.8188



10.3005, 5.5106, 49.9553



1.0805, 0.6917, 4.8898

Previews

White Background



This preview shows how the XYZ color 68.1997, 72.1581, 20.2309 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 68.1997, 72.1581, 20.2309 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 68.1997, 72.1581, 20.2309

Background



This preview shows how black text looks on a background with the XYZ color 68.1997, 72.1581, 20.2309.



This preview shows how white text looks on a background with the XYZ color 68.1997, 72.1581,

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

68.1997, 72.1581, 20.2309

Protanopia

65.7943, 72.0784, 20.5700

Deuteranopia

71.5446, 71.8563, 42.8997



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

68.1997, 72.1581, 20.2309

Protanomaly

66.5919, 72.0988, 20.5319

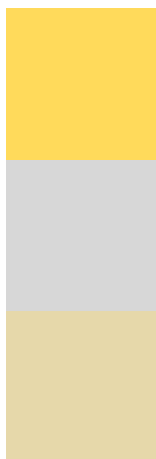
Deuteranomaly

69.8435, 71.5821, 32.6898

Tritanomaly

72.4235, 71.4030, 50.0094

Monochromacy



Original Color

68.1997, 72.1581, 20.2309

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 68.1997, 72.1581, 20.2309 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, 218, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 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, 218, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 91) }
```

Border

The CSS property to change the border of an element to XYZ 68.1997, 72.1581, 20.2309 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, 218, 91) }
```


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

```
.border{ border-color:rgb(255, 218, 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, 218, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1997, 72.1581, 20.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 91) }
```

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

```
.background{ background-color: rgb(255,  
218, 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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