

Converting Colors

XYZ(76.8408, 75.9584, 24.2671)

Have a look what the booklet for
XYZ(76.8408, 75.9584, 24.2671)
contains.

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Color

**XYZ(68.6544, 71.9263,
23.9004)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD96A
RGB	255, 217, 106
RGB Percent	100%, 85%, 42%
CMY	0.0000, 0.1490, 0.5843
CMYK	0.00, 0.15, 0.58, 0.00
HSL	45°, 100%, 71%
HSV	45°, 58%, 100%
XYZ	68.6544, 71.9263, 23.9004
YIQ	215.7080, 58.2790, -26.4650

Conversions

Conversions Part 2

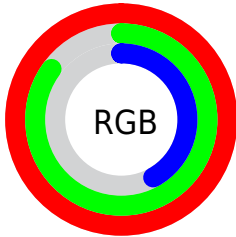
Format	Color
RYB	157, 255, 106
Decimal	16767338
CIELab	87.93, 0.63, 58.55
CIELCh	88, 58.553, 89.380
Yxy	71.9263, 0.4174, 0.4373
Android (android.graphics.Color)	4294957418 (0xFFFFD96A)
YUV	215.7080, -54.0860, 34.4591
Hunter-Lab	84.8094, -3.9181, 42.6579

Details

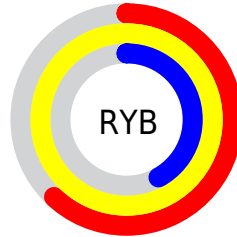
The XYZ color **68.6544, 71.9263, 23.9004** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.9669, 30.2297, 98.6520**, and the grayscale version is **65.4017, 68.8077, 74.9316**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **36.0458, 37.6907, 8.6240** is the 20% darker color. If you saturate the color by 10%, you get **65.8778, 68.1892, 17.3770**, and if you desaturate by 10%, it is **71.8946, 75.9600, 32.5245**.

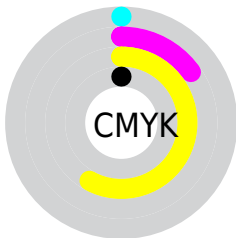
Distribution



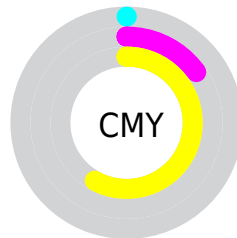
- Red (100%)
- Green (85%)
- Blue (42%)



- Red (62%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6544, 71.9263, 23.9004 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 68.6544, 71.9263, 23.9004 by changing the saturation by 10% instead.


 68.6544, 71.9263,
23.9004


 68.6544, 71.9263,
23.9004


445.1516,
467.2850, 285.5869


 50.7059, 53.0985,
15.0482


 116.3246,
121.9517, 50.8094


 36.1947, 37.8814,
8.7062


 146.7770,
153.9181, 69.7033

 24.7554, 25.8906,
4.4559


 182.1281,
191.0329, 92.7816

 16.0227, 16.7418,
1.8786

 222.7433,
233.6803, 120.4627

 9.6312, 10.0506,
0.4791

268.9879,
282.2448, 153.1653

 5.2155, 5.4325,
0.0000

321.2272,

 2.4103, 2.5032,

337.1109, 191.3078

0.0000

379.8267,
398.6628, 235.3088

■ 0.8502, 0.8782,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6544, 71.9263,
23.9004

■ 68.6544, 71.9263,
23.9004

■ 65.8778, 68.1892,
17.3770

■ 71.8946, 75.9600,
32.5245

■ 63.5229, 64.7225,
12.7595

■ 75.6259, 80.2942,
43.4122

■ 61.5478, 61.5110,
9.8242

■ 79.8790, 84.9452,
56.7151

■ 59.8920, 58.5292,
8.2556

■ 84.6807, 89.9248,
72.5706

■ 59.6482, 58.0767,
8.0661

■ 90.0559, 95.2440,
91.1056

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.



82.9463, 71.9263, 29.0861



68.6544, 71.9263, 23.9004



56.0382, 71.9263, 28.6588

Triad

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



68.6544, 71.9263, 23.9004



47.5649, 71.9263, 122.3386



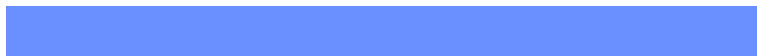
94.1238, 71.9263, 124.2868

Complementary

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



68.6544, 71.9263, 23.9004



33.9669, 30.2297, 98.6520

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.



82.3759, 71.9263, 166.0670



68.6544, 71.9263, 23.9004



55.5991, 71.9263, 164.6990

Square

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



68.6544, 71.9263, 23.9004



44.9101, 71.9263, 77.4873



68.0740, 71.9263, 182.8945



98.8238, 71.9263, 79.1496

Rectangle

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



68.6544, 71.9263, 23.9004



49.9689, 71.9263, 38.2135



68.0740, 71.9263, 182.8945



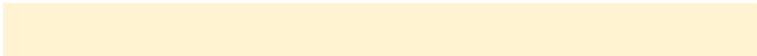
90.7958, 71.9263, 139.6824

Sweetspot

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



68.6561, 71.9297, 23.9018



84.9002, 90.1468, 73.3119



51.5620, 33.6358, 30.8612



17.8591, 18.9767, 14.6391



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.



68.6561, 71.9297, 23.9018



65.4813, 67.6275, 16.5312



67.9476, 87.8125, 27.0049



19.1461, 20.2603, 19.0459



31.2938, 30.5988, 4.2568



3.1345, 3.1544, 0.4437

Inverse Universe

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



33.9669, 30.2297, 98.6520



28.0319, 22.7001, 97.5119



34.1496, 23.1712, 97.2800



17.3794, 18.1304, 22.8335



10.5201, 5.9498, 50.0285



1.1074, 0.7455, 4.8988

Previews

White Background



This preview shows how the XYZ color 68.6544, 71.9263, 23.9004 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 68.6544, 71.9263, 23.9004 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 68.6544, 71.9263, 23.9004

Background



This preview shows how black text looks on a background with the XYZ color 68.6544, 71.9263, 23.9004.



This preview shows how white text looks on a background with the XYZ color 68.6544, 71.9263,

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

68.6544, 71.9263, 23.9004

Protanopia

65.8185, 72.0075, 24.3398

Deuteranopia

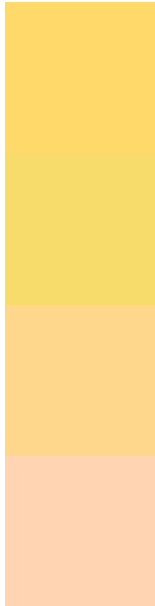
71.6317, 71.8912, 43.3587



Tritanopia

76.9587, 72.0282, 77.5568

Trichromacy



Original Color

68.6544, 71.9263, 23.9004

Protanomaly

66.9584, 72.2044, 24.3177

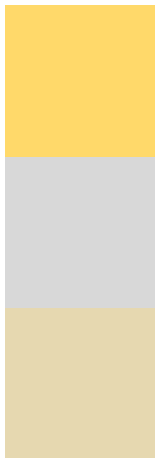
Deuteranomaly

70.2741, 71.7543, 34.9571

Tritanomaly

72.9202, 71.6016, 52.6250

Monochromacy



Original Color

68.6544, 71.9263, 23.9004

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.0255, 69.0693, 50.9788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6544, 71.9263, 23.9004 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, 217, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 106)  
}
```

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, 217, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 106) }
```

Border

The CSS property to change the border of an element to XYZ 68.6544, 71.9263, 23.9004 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, 217, 106) }
```


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

```
.border{ border-color:rgb(255, 217, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6544, 71.9263, 23.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 106) }
```

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

```
.background{ background-color: rgb(255,  
217, 106) }
```

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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