

Converting Colors

XYZ(68.3139, 71.5705, 22.7843)

Have a look what the booklet for
XYZ(68.3139, 71.5705, 22.7843)
contains.

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Color

**XYZ(68.1941, 71.3310,
22.7444)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD866
RGB	255, 216, 102
RGB Percent	100%, 85%, 40%
CMY	0.0000, 0.1529, 0.6000
CMYK	0.00, 0.15, 0.60, 0.00
HSL	45°, 100%, 70%
HSV	45°, 60%, 100%
XYZ	68.1941, 71.3310, 22.7444
YIQ	214.6650, 59.8380, -27.1860

Conversions

Conversions Part 2

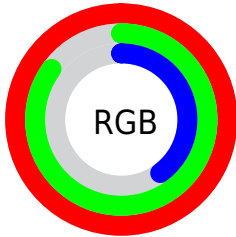
Format	Color
RYB	154, 255, 102
Decimal	16767078
CIELab	87.65, 0.87, 60.03
CIELCh	88, 60.037, 89.171
Yxy	71.3310, 0.4203, 0.4396
Android (android.graphics.Color)	4294957158 (0xFFFFD866)
YUV	214.6650, -55.5438, 35.3738
Hunter-Lab	84.4577, -3.6738, 43.1536

Details

The XYZ color **68.1941, 71.3310, 22.7444** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.0540, 29.0935, 98.4807**, and the grayscale version is **64.7016, 68.0712, 74.1295**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **35.9595, 37.6562, 8.1694** is the 20% darker color. If you saturate the color by 10%, you get **65.4871, 67.6392, 16.5337**, and if you desaturate by 10%, it is **71.3592, 75.3169, 31.0276**.

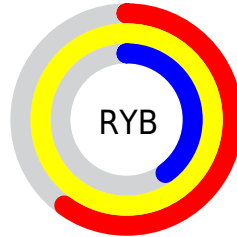
Distribution



Red (100%)

Green (85%)

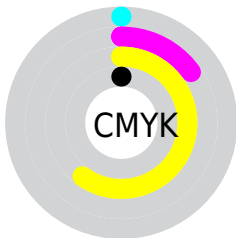
Blue (40%)



Red (60%)

Yellow (100%)

Blue (40%)

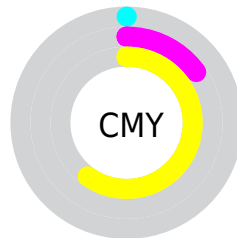


Cyan (0%)

Magenta (15%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1941, 71.3310, 22.7444 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 68.1941, 71.3310, 22.7444 by changing the saturation by 10% instead.


 68.1941, 71.3310,
22.7444

 68.1941, 71.3310,
22.7444


443.5494,
465.2097, 279.4887

 50.3299, 52.6124,
14.2014


 115.6702,
121.1049, 48.8912


 35.8945, 37.4934,
8.1205

 146.0127,
152.9290, 67.3320

 24.5224, 25.5897,
4.0833


 181.2455,
189.8903, 89.9091

 15.8484, 16.5170,
1.6711

 221.7338,
232.3733, 117.0411

 9.5071, 9.8907,
0.3408

267.8430,
280.7623, 149.1465

 5.1332, 5.3266,
0.0000

319.9384,

 2.3612, 2.4401,

335.4418, 186.6439

0.0000

378.3854,
396.7961, 229.9518

■ 0.8257, 0.8464,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1941, 71.3310,
22.7444

■ 68.1941, 71.3310,
22.7444

■ 65.4871, 67.6392,
16.5337

■ 71.3592, 75.3169,
31.0276

■ 63.1954, 64.2150,
12.1963

■ 75.0104, 79.6010,
41.5494

■ 61.2759, 61.0425,
9.5012

■ 79.1789, 84.1998,
54.4638

■ 59.6556, 58.0916,
8.0687

■ 83.8920, 89.1253,
69.9099

■ 59.6554, 58.0912,
8.0685

■ 89.1747, 94.3886,
88.0163

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.



82.7926, 71.3310, 27.9750



68.1941, 71.3310, 22.7444



55.3287, 71.3310, 27.4057

Triad

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



68.1941, 71.3310, 22.7444



46.6223, 71.3310, 122.4127



94.0821, 71.3310, 125.0880

Complementary

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



68.1941, 71.3310, 22.7444



33.0540, 29.0935, 98.4807

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.



82.0127, 71.3310, 168.0323



68.1941, 71.3310, 22.7444



54.7328, 71.3310, 166.1454

Square

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



68.1941, 71.3310, 22.7444



43.9753, 71.3310, 76.5406



67.4034, 71.3310, 185.1792



98.9657, 71.3310, 78.8051

Rectangle

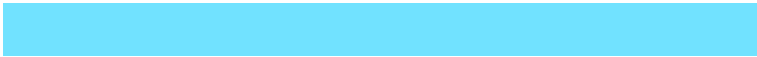
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1941, 71.3310, 22.7444



49.1474, 71.3310, 36.9060



67.4034, 71.3310, 185.1792



90.6548, 71.3310, 140.9128

Sweetspot

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



68.1958, 71.3344, 22.7458



84.9020, 90.1504, 73.3125



50.9344, 32.7404, 29.5431



17.8596, 18.9776, 14.6392



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.



68.1958, 71.3344, 22.7458



64.9967, 66.9331, 15.5225



67.4621, 87.5856, 25.9213



19.1463, 20.2608, 19.0459



31.2975, 30.6063, 4.2580



3.1349, 3.1551, 0.4438

Inverse Universe

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



33.0540, 29.0935, 98.4807



27.1791, 21.5770, 97.3400



33.2336, 22.1013, 97.1216



17.3792, 18.1300, 22.8334



10.5191, 5.9477, 50.0282



1.1073, 0.7453, 4.8988

Previews

White Background



This preview shows how the XYZ color 68.1941, 71.3310, 22.7444 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 68.1941, 71.3310, 22.7444 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 68.1941, 71.3310, 22.7444

Background



This preview shows how black text looks on a background with the XYZ color 68.1941, 71.3310, 22.7444.



This preview shows how white text looks on a background with the XYZ color 68.1941, 71.3310,

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

68.1941, 71.3310, 22.7444

Protanopia

65.3496, 71.3988, 23.1690

Deuteranopia

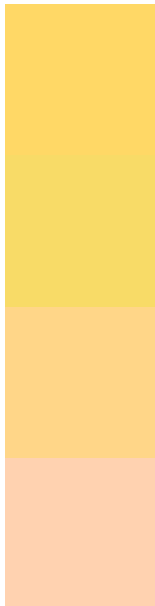
71.0350, 71.2488, 41.4609



Tritanopia

76.3390, 71.0001, 76.6987

Trichromacy



Original Color

68.1941, 71.3310, 22.7444

Protanomaly

66.4911, 71.5988, 23.1475

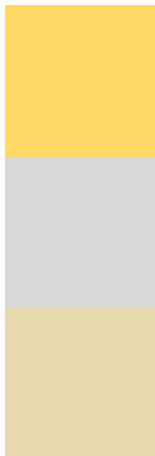
Deuteranomaly

69.7305, 71.1307, 33.3470

Tritanomaly

72.1231, 70.4878, 50.8785

Monochromacy



Original Color

68.1941, 71.3310, 22.7444

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.5735, 68.4799, 49.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1941, 71.3310, 22.7444 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, 216, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 102)  
}
```

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, 216, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 102) }
```

Border

The CSS property to change the border of an element to XYZ 68.1941, 71.3310, 22.7444 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, 216, 102) }
```


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

```
.border{ border-color:rgb(255, 216, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1941, 71.3310, 22.7444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 102) }
```

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

```
.background{ background-color: rgb(255,  
216, 102) }
```

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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