

Converting Colors

XYZ(72.0327, 80.8252, 16.3973)

Have a look what the booklet for
XYZ(72.0327, 80.8252, 16.3973)
contains.

XYZ(71.5323, 80.4534, 16.3163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.5323, 80.4534,
16.3163)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA3E
RGB	255, 234, 62
RGB Percent	100%, 92%, 24%
CMY	0.0000, 0.0823, 0.7568
CMYK	0.00, 0.08, 0.76, 0.00
HSL	53°, 100%, 62%
HSV	53°, 76%, 100%
XYZ	71.5323, 80.4534, 16.3163
YIQ	220.6710, 67.7280, -49.0400

Conversions

Conversions Part 2

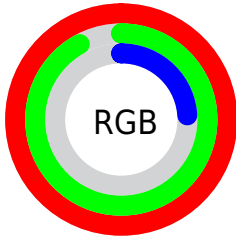
Format	Color
R _Y B	86, 255, 62
Decimal	16771646
CIE _{Lab}	91.89, -10.23, 79.78
CIE _{LCh}	92, 80.436, 97.307
Y _{xy}	80.4534, 0.4250, 0.4780
Android (android.graphics.Color)	4294961726 (0xFFFFEA3E)
Y _{UV}	220.6710, -78.2248, 30.1065
Hunter-Lab	89.6958, -14.6142, 52.0018

Details

The XYZ color **71.5323, 80.4534, 16.3163** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **23.1301, 14.4307, 96.1734**, and the grayscale version is **68.9965, 72.5897, 79.0502**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **38.3682, 43.7095, 6.4146** is the 20% darker color. If you saturate the color by 10%, you get **70.2071, 78.6727, 13.1950**, and if you desaturate by 10%, it is **73.2014, 82.3976, 21.1719**.

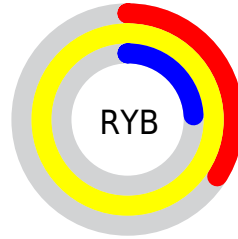
Distribution



Red (100%)

Green (92%)

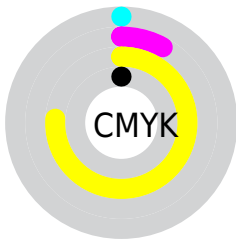
Blue (24%)



Red (34%)

Yellow (100%)

Blue (24%)

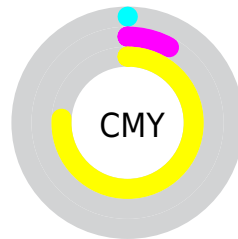


Cyan (0%)

Magenta (8%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5323, 80.4534, 16.3163 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 71.5323, 80.4534, 16.3163 by changing the saturation by 10% instead.

71.5323, 80.4534,
16.3163

71.5323, 80.4534,
16.3163

455.0950,
496.4595, 243.1101

53.0608, 60.0915,
9.5915

120.4058,
134.0030, 37.9209

38.0790, 43.4924,
5.0269

151.5384,
167.9595, 53.6377

26.2215, 30.2717,
2.2040

187.6222,
207.2164, 73.1889

17.1230, 20.0449,
0.6767

229.0224,
252.1580, 96.9931

10.4180, 12.4277,
0.0000

276.1045,
303.1687, 125.4687

5.7414, 7.0356,
0.0000

329.2337,

2.7276, 3.4844,

360.6329, 159.0344

0.0000

388.7754,
424.9351, 198.1087

■ 1.0114, 1.3895,
0.0000

■ 0.0000, 0.2090,
0.0000

■ 71.5323, 80.4534,
16.3163

■ 71.5323, 80.4534,
16.3163

■ 70.2071, 78.6727,
13.1950

■ 73.2014, 82.3976,
21.1719

■ 69.1701, 77.0239,
11.5383

■ 75.2497, 84.5103,
27.9707

■ 68.7805, 76.3415,
11.1103

■ 77.7137, 86.8092,
36.8973

■ 80.6243, 89.3067,
48.1135

■ 84.0092, 92.0142,
61.7655

■ 87.8939, 94.9417,
77.9872

■ 92.3021, 98.0990,
96.9029

■ 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.



92.8213, 80.4534, 19.0218



71.5323, 80.4534, 16.3163



54.8524, 80.4534, 24.7354

Triad

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



71.5323, 80.4534, 16.3163



49.0501, 80.4534, 176.1028



119.2290, 80.4534, 139.1632

Complementary

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



71.5323, 80.4534, 16.3163



23.1301, 14.4307, 96.1734

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.



103.1269, 80.4534, 212.6435



71.5323, 80.4534, 16.3163



62.1589, 80.4534, 239.8306

Square

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



71.5323, 80.4534, 16.3163



43.4771, 80.4534, 102.8621



81.6268, 80.4534, 255.5746



122.9646, 80.4534, 73.9277

Rectangle

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



71.5323, 80.4534, 16.3163



47.7001, 80.4534, 39.4389



81.6268, 80.4534, 255.5746



114.9588, 80.4534, 164.4351

Sweetspot

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



71.5341, 80.4572, 16.3179



85.0022, 92.7784, 65.8616



44.5835, 25.3541, 11.0392



17.9098, 19.6392, 12.9262



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.



71.5341, 80.4572, 16.3179



69.6240, 77.7813, 12.1517



55.6899, 81.6934, 17.3916



19.3825, 20.7332, 19.1247



36.0075, 40.0262, 5.8280



3.5522, 3.9897, 0.5829

Inverse Universe

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



23.1301, 14.4307, 96.1734



19.4670, 9.5311, 95.4214



29.9241, 15.8991, 96.0987



17.1620, 17.6956, 22.7610



9.6961, 4.3017, 49.7539



0.9936, 0.5179, 4.8609

Previews

White Background



This preview shows how the XYZ color 71.5323, 80.4534, 16.3163 looks on a white background.

Color Contrast Check

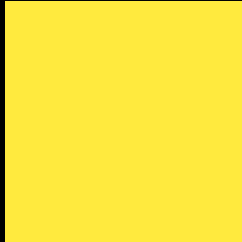
Large Text (above 18pt) WCAG AA × Fail

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 71.5323, 80.4534, 16.3163 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 71.5323, 80.4534, 16.3163

Background



This preview shows how black text looks on a background with the XYZ color 71.5323, 80.4534, 16.3163.



This preview shows how white text looks on a background with the XYZ color 71.5323, 80.4534,

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

71.5323, 80.4534, 16.3163

Protanopia

73.4868, 80.3293, 29.4012

Deuteranopia

78.4978, 80.5526, 61.2801



Tritanopia

82.7469, 80.5118, 89.0210

Trichromacy



Original Color

71.5323, 80.4534, 16.3163



Protanomaly

72.6310, 80.4387, 23.5025



Deuteranomaly

74.6476, 79.8980, 38.2756



Tritanomaly

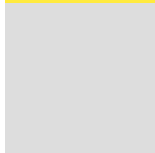
76.3341, 79.6871, 49.8860

Monochromacy



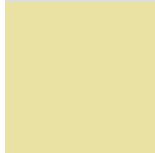
Original Color

71.5323, 80.4534, 16.3163



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.4115, 74.3607, 45.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5323, 80.4534, 16.3163 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, 234, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 62)  
}
```

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, 234, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 62) }
```

Border

The CSS property to change the border of an element to XYZ 71.5323, 80.4534, 16.3163 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, 234, 62) }
```


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

```
.border{ border-color:rgb(255, 234, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5323, 80.4534, 16.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 62) }
```

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

```
.background{ background-color: rgb(255,  
234, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor