

Converting Colors

XYZ(71.3966, 80.2169, 16.1636)

Have a look what the booklet for
XYZ(71.3966, 80.2169, 16.1636)
contains.

XYZ(71.5051, 80.4426, 16.1731)	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(71.5051, 80.4426,
16.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA3D
RGB	255, 234, 61
RGB Percent	100%, 92%, 24%
CMY	0.0000, 0.0823, 0.7608
CMYK	0.00, 0.08, 0.76, 0.00
HSL	54°, 100%, 62%
HSV	54°, 76%, 100%
XYZ	71.5051, 80.4426, 16.1731
YIQ	220.5570, 68.0490, -49.3510

Conversions

Conversions Part 2

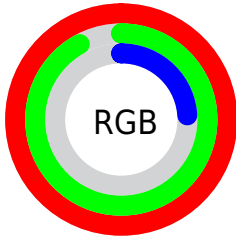
Format	Color
R_{YB}	85, 255, 61
Decimal	16771645
CIE _{Lab}	91.88, -10.27, 80.09
CIE _{LCh}	92, 80.742, 97.305
Yxy	80.4426, 0.4253, 0.4785
Android (android.graphics.Color)	4294961725 (0xFFFFEA3D)
YUV	220.5570, -78.6616, 30.2065
Hunter-Lab	89.6898, -14.6482, 52.0915

Details

The XYZ color **71.5051, 80.4426, 16.1731** 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 **22.9919, 14.2467, 96.1450**, and the grayscale version is **68.9192, 72.5084, 78.9617**.

A 20% lighter version of the original color is **80.4512, 94.1605, 32.0237**, and **38.3682, 43.7095, 6.4146** is the 20% darker color. If you saturate the color by 10%, you get **70.1959, 78.6747, 13.1159**, and if you desaturate by 10%, it is **73.1564, 82.3731, 20.9553**.

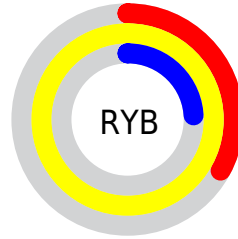
Distribution



Red (100%)

Green (92%)

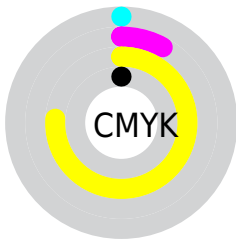
Blue (24%)



Red (33%)

Yellow (100%)

Blue (24%)

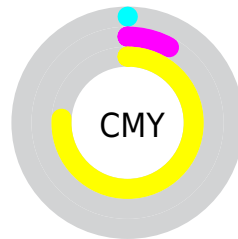


Cyan (0%)

Magenta (8%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5051, 80.4426, 16.1731 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 71.5051, 80.4426, 16.1731 by changing the saturation by 10% instead.


 71.5051, 80.4426,
16.1731


 71.5051, 80.4426,
16.1731


455.0016,
496.4232, 242.2415


 53.0385, 60.0826,
9.4910


 120.3673,
133.9878, 37.6694

 38.0611, 43.4852,
4.9617


 151.4936,
167.9419, 53.3208


 26.2076, 30.2660,
2.1664


 187.5705,
207.1961, 72.7990

 17.1125, 20.0406,
0.6549

 228.9633,
252.1348, 96.5225

 10.4105, 12.4246,
0.0000

 276.0375,
303.1425, 124.9100

 5.7363, 7.0335,
0.0000

329.1584,

 2.7245, 3.4831,

360.6035, 158.3800

0.0000

388.6913,
424.9023, 197.3510

■ 1.0098, 1.3888,
0.0000

■ 0.0000, 0.2085,
0.0000

■ 71.5051, 80.4426,
16.1731

■ 71.5051, 80.4426,
16.1731

■ 70.1959, 78.6747,
13.1159

■ 73.1564, 82.3731,
20.9553

■ 69.1724, 77.0376,
11.5113

■ 75.1853, 84.4711,
27.6730

■ 68.8197, 76.4200,
11.1233

■ 77.6285, 86.7546,
36.5117

■ 80.5169, 89.2361,
47.6339

■ 83.8785, 91.9268,
61.1863

■ 87.7389, 94.8369,
77.3035

■ 92.1217, 97.9762,
96.1098

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.



92.8768, 80.4426, 18.8744



71.5051, 80.4426, 16.1731



54.7717, 80.4426, 24.5821

Triad

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



71.5051, 80.4426, 16.1731



48.9529, 80.4426, 176.4975



119.4017, 80.4426, 139.3777

Complementary

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



71.5051, 80.4426, 16.1731



22.9919, 14.2467, 96.1450

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.



103.2250, 80.4426, 213.2462



71.5051, 80.4426, 16.1731



62.0985, 80.4426, 240.5857

Square

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



71.5051, 80.4426, 16.1731



43.3674, 80.4426, 102.9069



81.6351, 80.4426, 256.4266



123.1560, 80.4426, 73.8707

Rectangle

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



71.5051, 80.4426, 16.1731



47.6005, 80.4426, 39.2937



81.6351, 80.4426, 256.4266



115.1112, 80.4426, 164.7759

Sweetspot

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



71.5069, 80.4464, 16.1747



85.0124, 92.7988, 65.8650



44.4949, 25.2325, 10.8388



17.9123, 19.6442, 12.9271



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.



71.5069, 80.4464, 16.1747



69.6603, 77.8539, 12.1638



55.5728, 81.6361, 17.2442



19.3834, 20.7351, 19.1250



36.0277, 40.0667, 5.8348



3.5539, 3.9932, 0.5835

Inverse Universe

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



22.9919, 14.2467, 96.1450



19.4616, 9.5204, 95.4196



29.7703, 15.7398, 96.0760



17.1612, 17.6940, 22.7607



9.6941, 4.2978, 49.7532



0.9932, 0.5171, 4.8607

Previews

White Background



This preview shows how the XYZ color 71.5051, 80.4426, 16.1731 looks on a white background.

Color Contrast Check

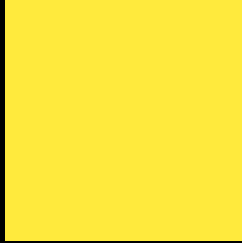
Large Text (above 18pt) WCAG AA × Fail

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 71.5051, 80.4426, 16.1731 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 71.5051, 80.4426, 16.1731

Background



This preview shows how black text looks on a background with the XYZ color 71.5051, 80.4426, 16.1731.



This preview shows how white text looks on a background with the XYZ color 71.5051, 80.4426,

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

71.5051, 80.4426, 16.1731

Protanopia

73.4868, 80.3293, 29.4012

Deuteranopia

78.4978, 80.5526, 61.2801



Tritanopia

82.7469, 80.5118, 89.0210

Trichromacy



Original Color

71.5051, 80.4426, 16.1731



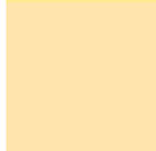
Protanomaly

72.6310, 80.4387, 23.5025



Deuteranomaly

74.5709, 79.8672, 37.8712



Tritanomaly

76.3341, 79.6871, 49.8860

Monochromacy



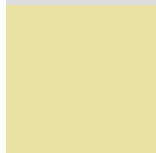
Original Color

71.5051, 80.4426, 16.1731



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 71.5051, 80.4426, 16.1731 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 61) }
```

Border

The CSS property to change the border of an element to XYZ 71.5051, 80.4426, 16.1731 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, 61) }
```


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

```
.border{ border-color:rgb(255, 234, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5051, 80.4426, 16.1731 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, 61) }
```

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

```
.background{ background-color: rgb(255,  
234, 61) }
```

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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