

Converting Colors

XYZ(74.2617, 81.9723, 15.7041)

Have a look what the booklet for
XYZ(74.2617, 81.9723, 15.7041)
contains.

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Color

**XYZ(71.3766, 80.3912,
15.4965)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA38
RGB	255, 234, 56
RGB Percent	100%, 92%, 22%
CMY	0.0000, 0.0823, 0.7804
CMYK	0.00, 0.08, 0.78, 0.00
HSL	54°, 100%, 61%
HSV	54°, 78%, 100%
XYZ	71.3766, 80.3912, 15.4965
YIQ	219.9870, 69.6540, -50.9060

Conversions

Conversions Part 2

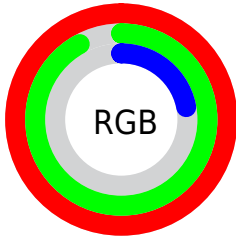
Format	Color
R_{YB}	79, 255, 56
Decimal	16771640
CIE _{Lab}	91.86, -10.44, 81.54
CIE _{LCh}	92, 82.210, 97.296
Yxy	80.3912, 0.4267, 0.4806
Android (android.graphics.Color)	4294961720 (0xFFFFEA38)
YUV	219.9870, -80.8456, 30.7064
Hunter-Lab	89.6611, -14.8084, 52.5155

Details

The XYZ color **71.3766, 80.3912, 15.4965** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.3350, 13.3686, 96.0101**, and the grayscale version is **68.5333, 72.1024, 78.5195**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **38.3682, 43.7095, 6.4146** is the 20% darker color. If you saturate the color by 10%, you get **70.1452, 78.6856, 12.7534**, and if you desaturate by 10%, it is **72.9405, 82.2546, 19.9171**.

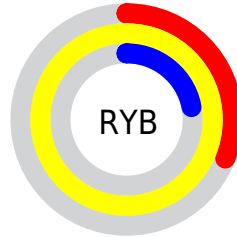
Distribution



Red (100%)

Green (92%)

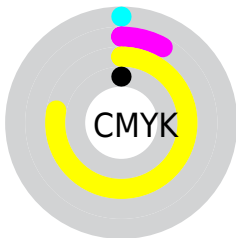
Blue (22%)



Red (31%)

Yellow (100%)

Blue (22%)

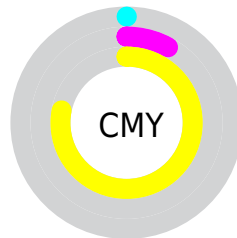


Cyan (0%)

Magenta (8%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3766, 80.3912, 15.4965 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 71.3766, 80.3912, 15.4965 by changing the saturation by 10% instead.

71.3766, 80.3912,
15.4965

71.3766, 80.3912,
15.4965

454.5602,
496.2502, 238.0954

52.9332, 60.0403,
9.0181

120.1854,
133.9156, 36.4764

37.9767, 43.4511,
4.6560

151.2816,
167.8579, 51.8150

26.1418, 30.2392,
1.9917

187.3260,
207.0995, 70.9441

17.0630, 20.0203,
0.5502

228.6841,
252.0247, 94.2821

10.3750, 12.4098,
0.0000

275.7212,
303.0180, 122.2478

5.7124, 7.0234,
0.0000

328.8027,

2.7100, 3.4767,

360.4638, 155.2595

0.0000

388.2939,
424.7464, 193.7359

■ 1.0023, 1.3854,
0.0000

■ 0.0000, 0.2059,
0.0000

■ 71.3766, 80.3912,
15.4965

■ 71.3766, 80.3912,
15.4965

■ 70.1452, 78.6856,
12.7534

■ 72.9405, 82.2546,
19.9171

■ 69.1832, 77.1031,
11.3799

■ 74.8738, 84.2814,
26.2337

■ 69.0102, 76.8009,
11.1868

■ 77.2144, 86.4898,
34.6369

■ 79.9938, 88.8927,
45.2929

■ 83.2405, 91.5014,
58.3513

■ 86.9805, 94.3264,
73.9487

■ 91.2378, 97.3774,
92.2113

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



93.1466, 80.3912, 18.1777



71.3766, 80.3912, 15.4965



54.3861, 80.3912, 23.8531

Triad

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



71.3766, 80.3912, 15.4965



48.4871, 80.3912, 178.3972



120.2341, 80.3912, 140.4188

Complementary

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



71.3766, 80.3912, 15.4965



22.3350, 13.3686, 96.0101

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.



103.6959, 80.3912, 216.1656



71.3766, 80.3912, 15.4965



61.8078, 80.3912, 244.2342

Square

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



71.3766, 80.3912, 15.4965



42.8431, 80.3912, 103.1177



81.6734, 80.3912, 260.5506



124.0798, 80.3912, 73.6023

Rectangle

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



71.3766, 80.3912, 15.4965



47.1245, 80.3912, 38.5989



81.6734, 80.3912, 260.5506



115.8447, 80.3912, 166.4283

Sweetspot

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



71.3784, 80.3950, 15.4981



85.0616, 92.8972, 65.8814



44.0736, 24.6567, 9.8761



17.9244, 19.6684, 12.9311



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.



71.3784, 80.3950, 15.4981



69.5455, 77.7297, 11.8011



54.9992, 81.3552, 16.5467



19.3879, 20.7439, 19.1265



36.1258, 40.2628, 5.8675



3.5625, 4.0103, 0.5863

Inverse Universe

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



22.3350, 13.3686, 96.0101



19.0306, 8.8815, 95.3190



29.0252, 14.9778, 95.9681



17.1572, 17.6860, 22.7594



9.6848, 4.2791, 49.7501



0.9913, 0.5133, 4.8601

Previews

White Background



This preview shows how the XYZ color 71.3766, 80.3912, 15.4965 looks on a white background.

Color Contrast Check

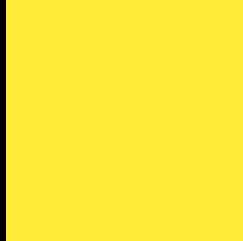
Large Text (above 18pt) WCAG AA × Fail

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 71.3766, 80.3912, 15.4965 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 71.3766, 80.3912, 15.4965

Background



This preview shows how black text looks on a background with the XYZ color 71.3766, 80.3912, 15.4965.



This preview shows how white text looks on a background with the XYZ color 71.3766, 80.3912,

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

71.3766, 80.3912, 15.4965

Protanopia

73.4264, 80.3051, 29.0832

Deuteranopia

78.2235, 80.0039, 61.1887



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

71.3766, 80.3912, 15.4965



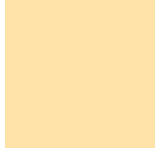
Protanomaly

72.4902, 80.3824, 22.7610



Deuteranomaly

74.4947, 79.8368, 37.4703



Tritanomaly

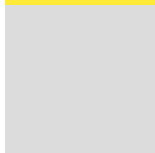
75.8705, 79.0627, 48.7979

Monochromacy



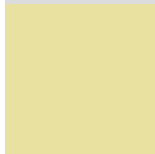
Original Color

71.3766, 80.3912, 15.4965



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.8746, 73.7121, 43.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3766, 80.3912, 15.4965 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 56) }
```

Border

The CSS property to change the border of an element to XYZ 71.3766, 80.3912, 15.4965 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, 56) }
```


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

```
.border{ border-color:rgb(255, 234, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3766, 80.3912, 15.4965 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
234, 56) }
```

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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