

Converting Colors

XYZ(74.8214, 87.5143, 15.9248)

Have a look what the booklet for
XYZ(74.8214, 87.5143, 15.9248)
contains.

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Color

**XYZ(74.7715, 87.4018,
15.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF632
RGB	255, 246, 50
RGB Percent	100%, 96%, 20%
CMY	0.0000, 0.0353, 0.8039
CMYK	0.00, 0.04, 0.80, 0.00
HSL	57°, 100%, 60%
HSV	57°, 80%, 100%
XYZ	74.7715, 87.4018, 15.9470
YIQ	226.3470, 68.2800, -59.0480

Conversions

Conversions Part 2

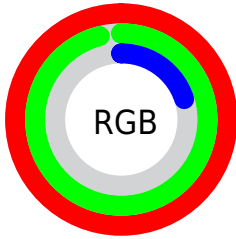
Format	Color
R _Y B	59, 255, 50
Decimal	16774706
CIE Lab	94.91, -16.49, 85.80
CIE LCh	95, 87.368, 100.876
Yxy	87.4018, 0.4198, 0.4907
Android (android.graphics.Color)	4294964786 (0xFFFFF632)
YUV	226.3470, -86.9391, 25.1287
Hunter-Lab	93.4889, -20.8431, 55.3288

Details

The XYZ color **74.7715, 87.4018, 15.9470** 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 **20.9298, 11.0265, 95.6323**, and the grayscale version is **73.1181, 76.9260, 83.7724**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **40.6616, 48.2962, 7.1790** is the 20% darker color. If you saturate the color by 10%, you get **74.0285, 86.5651, 13.6993**, and if you desaturate by 10%, it is **75.8264, 88.3731, 19.8097**.

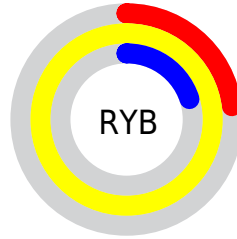
Distribution



Red (100%)

Green (96%)

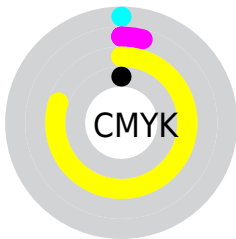
Blue (20%)



Red (23%)

Yellow (100%)

Blue (20%)

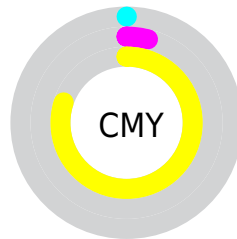


Cyan (0%)

Magenta (4%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.7715, 87.4018, 15.9470 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 74.7715, 87.4018, 15.9470 by changing the saturation by 10% instead.


 74.7715, 87.4018,
15.9470

 74.7715, 87.4018,
15.9470


466.1411,
519.5423, 240.8638

 55.7192, 65.8278,
9.3327


 124.9785,
143.7240, 37.2717

 40.2140, 48.1326,
4.8591


 156.8639,
179.2411, 52.8191


 27.8904, 33.9319,
2.1075


 193.7578,
220.1745, 72.1814

 18.3831, 22.8413,
0.6202

 236.0255,
266.9088, 95.7770

 11.3267, 14.4764,
0.0000

 284.0323,
319.8283, 124.0245

 6.3559, 8.4527,
0.0000

338.1436,

 3.1054, 4.3860,

379.3175, 157.3425

0.0000

398.7247,
445.7607, 196.1494

■ 1.2097, 1.8917,
0.0000

■ 0.1140, 0.5434,
0.0000

■ 74.7715, 87.4018,
15.9470

■ 74.7715, 87.4018,
15.9470

■ 74.0285, 86.5651,
13.6993


■ 75.8264, 88.3731,
19.8097


■ 73.5342, 85.8487,
12.6948


■ 77.2316, 89.4846,
25.5161

■ 79.0265, 90.7552,
33.2639

■ 81.2434, 92.1979,
43.2239

 83.9113, 93.8243,
55.5490

 87.0568, 95.6451,
70.3788

 90.7043, 97.6699,
87.8416

94.8765, 99.9080,
108.0573

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.



98.9053, 87.4018, 17.4687



74.7715, 87.4018, 15.9470



56.6887, 87.4018, 26.6855

Triad

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



74.7715, 87.4018, 15.9470



53.1739, 87.4018, 208.5991



133.9640, 87.4018, 144.6147

Complementary

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



74.7715, 87.4018, 15.9470



20.9298, 11.0265, 95.6323

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.



116.5869, 87.4018, 231.7926



74.7715, 87.4018, 15.9470



69.0270, 87.4018, 279.2656

Square

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



74.7715, 87.4018, 15.9470



45.8919, 87.4018, 121.9619



91.9668, 87.4018, 289.3361



136.3089, 87.4018, 72.6134

Rectangle

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



74.7715, 87.4018, 15.9470



49.2989, 87.4018, 44.7512



91.9668, 87.4018, 289.3361



129.5512, 87.4018, 173.8143

Sweetspot

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



74.7735, 87.4059, 15.9488



85.8647, 94.9651, 64.7258



43.2032, 23.8709, 6.6415



18.1402, 20.1882, 12.7311



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.



74.7735, 87.4059, 15.9488



73.7252, 86.1410, 13.0341



51.3896, 79.5105, 15.6573



19.4889, 20.9460, 19.1601



38.4535, 44.9182, 6.6434



3.7644, 4.4141, 0.6536

Inverse Universe

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



20.9298, 11.0265, 95.6323



18.4447, 7.8199, 95.1450



30.3900, 15.2754, 95.9538



17.0669, 17.5054, 22.7293



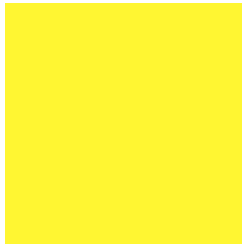
9.5226, 3.9547, 49.6960



0.9487, 0.4280, 4.8459

Previews

White Background



This preview shows how the XYZ color 74.7715, 87.4018, 15.9470 looks on a white background.

Color Contrast Check

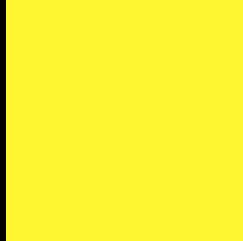
Large Text (above 18pt) WCAG AA × Fail

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 74.7715, 87.4018, 15.9470 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 74.7715, 87.4018, 15.9470

Background



This preview shows how black text looks on a background with the XYZ color 74.7715, 87.4018, 15.9470.



This preview shows how white text looks on a background with the XYZ color 74.7715, 87.4018,

15.9470.

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

74.7715, 87.4018, 15.9470

Protanopia

80.8436, 86.9576, 56.7795

Deuteranopia

84.3389, 87.4188, 78.0740



Tritanopia

87.1260, 87.1477, 97.0232

Trichromacy



Original Color

74.7715, 87.4018, 15.9470



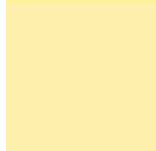
Protanomaly

77.2952, 86.4855, 35.1737



Deuteranomaly

78.6960, 86.5709, 44.0146



Tritanomaly

79.6493, 86.0101, 51.9388

Monochromacy



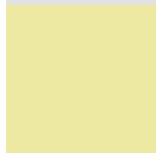
Original Color

74.7715, 87.4018, 15.9470



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.5856, 78.8910, 45.6896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7715, 87.4018, 15.9470 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, 246, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 50)  
}
```

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, 246, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 50) }
```

Border

The CSS property to change the border of an element to XYZ 74.7715, 87.4018, 15.9470 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, 246, 50) }
```


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

```
.border{ border-color:rgb(255, 246, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7715, 87.4018, 15.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 50) }
```

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

```
.background{ background-color: rgb(255,  
246, 50) }
```

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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