

Converting Colors

XYZ(66.9030, 81.6873, 15.0811)

Have a look what the booklet for
XYZ(66.9030, 81.6873, 15.0811)
contains.

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Color

**XYZ(66.8777, 81.5505,
15.0123)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF230
RGB	236, 242, 48
RGB Percent	93%, 95%, 19%
CMY	0.0745, 0.0510, 0.8117
CMYK	0.02, 0.00, 0.80, 0.05
HSL	62°, 88%, 57%
HSV	62°, 80%, 95%
XYZ	66.8777, 81.5505, 15.0123
YIQ	218.0900, 58.6980, -61.6060

Conversions

Conversions Part 2

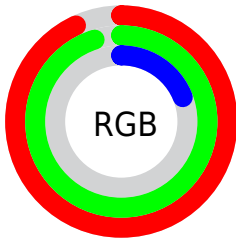
Format	Color
RYB	48, 242, 54
Decimal	15528496
CIELab	92.38, -22.42, 83.53
CIElCh	92, 86.490, 105.024
Yxy	81.5505, 0.4092, 0.4990
Android (android.graphics.Color)	4293718576 (0xFFEFCF230)
YUV	218.0900, -83.8544, 15.7071
Hunter-Lab	90.3053, -25.8420, 53.3574

Details

The XYZ color **66.8777, 81.5505, 15.0123** 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 **18.6075, 9.3106, 84.8258**, and the grayscale version is **67.2373, 70.7388, 77.0346**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **35.4634, 44.3479, 6.6909** is the 20% darker color. If you saturate the color by 10%, you get **66.2604, 81.2780, 13.0497**, and if you desaturate by 10%, it is **67.7718, 81.9400, 18.4110**.

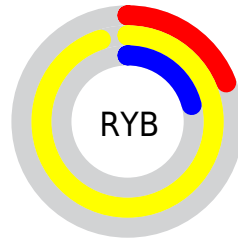
Distribution



Red (93%)

Green (95%)

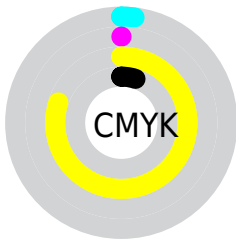
Blue (19%)



Red (19%)

Yellow (95%)

Blue (21%)

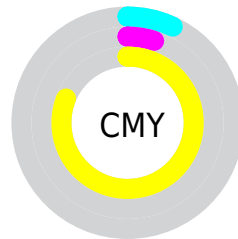


Cyan (2%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (7%)

Magenta (5%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8777, 81.5505, 15.0123 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 66.8777, 81.5505, 15.0123 by changing the saturation by 10% instead.


 66.8777, 81.5505,
15.0123

 66.8777, 81.5505,
15.0123


438.9486,
500.1429, 235.0840

 49.2556, 60.9951,
8.6813


 113.7959,
135.5435, 35.6174


 35.0376, 44.2212,
4.4399


 143.8227,
169.7498, 50.7285


 23.8585, 30.8445,
1.8697

 178.7151,
209.2753, 69.6035

 15.3529, 20.4804,
0.4733

 218.8385,
254.5042, 92.6607

 9.1553, 12.7448,
0.0000

 264.5582,
305.8211, 120.3189

 4.9006, 7.2530,
0.0000

316.2395,

 2.2232, 3.6208,

363.6102, 152.9964

0.0000

374.2479,
428.2560, 191.1120

0.7549, 1.4638,
0.0000

0.0000, 0.2630,
0.0000

66.8777, 81.5505,
15.0123

66.8777, 81.5505,
15.0123

66.2604, 81.2780,
13.0497


67.7718, 81.9400,
18.4110


65.8543, 81.0874,
12.1805


68.9759, 82.4506,
23.4449


70.5245, 83.0990,
30.2872


72.4459, 83.8968,
39.0876

 74.7657, 84.8540,
49.9803

 77.5072, 85.9800,
63.0878

 80.6917, 87.2833,
78.5229

 84.3392, 88.7720,
96.3909

 86.6778, 89.7372,
107.3603

Harmonies

Analogous

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



89.1774, 81.5505, 15.0040



66.8777, 81.5505, 15.0123



50.8699, 81.5505, 27.0471

Triad

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



66.8777, 81.5505, 15.0123



50.8895, 81.5505, 207.6970



126.9849, 81.5505, 124.6198

Complementary

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



66.8777, 81.5505, 15.0123



18.6075, 9.3106, 84.8258

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.



112.1307, 81.5505, 207.5664



66.8777, 81.5505, 15.0123



66.9097, 81.5505, 269.1088

Square

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



66.8777, 81.5505, 15.0123



42.9221, 81.5505, 124.7467



89.2162, 81.5505, 269.0520



126.9717, 81.5505, 60.5131

Rectangle

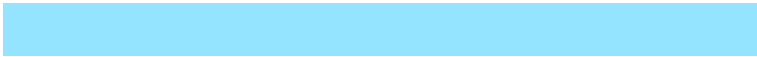
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8777, 81.5505, 15.0123



44.6677, 81.5505, 46.2448



89.2162, 81.5505, 269.0520



123.4552, 81.5505, 151.6945

Sweetspot

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



66.8796, 81.5543, 15.0140



86.0214, 96.3084, 64.9768



38.3483, 21.4808, 4.9224



18.1786, 20.5180, 12.7927



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.



66.8796, 81.5543, 15.0140



74.3219, 91.3929, 14.0163



43.4044, 69.4524, 13.9154



17.0717, 18.4326, 16.8078



35.3981, 43.5699, 6.5442



2.9599, 3.6324, 0.5451

Inverse Universe

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



18.6075, 9.3106, 84.8258



18.4061, 7.5679, 95.0984



29.3418, 14.8443, 85.3282



14.9425, 15.2521, 19.8780



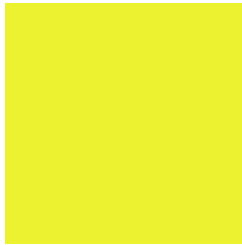
8.6810, 3.4806, 45.3422



0.7380, 0.2977, 3.7728

Previews

White Background



This preview shows how the XYZ color 66.8777, 81.5505, 15.0123 looks on a white background.

Color Contrast Check

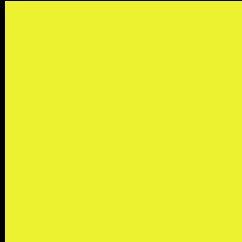
Large Text (above 18pt) WCAG AA × Fail

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 66.8777, 81.5505, 15.0123 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 66.8777, 81.5505, 15.0123

Background



This preview shows how black text looks on a background with the XYZ color 66.8777, 81.5505, 15.0123.



This preview shows how white text looks on a background with the XYZ color 66.8777, 81.5505,

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

66.8777, 81.5505, 15.0123

Protanopia

74.4082, 81.1495, 32.8608

Deuteranopia

79.1096, 81.2388, 63.1409



Tritanopia

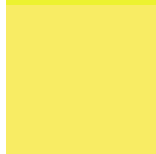
83.2478, 81.0169, 96.0442

Trichromacy



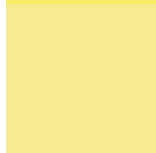
Original Color

66.8777, 81.5505, 15.0123



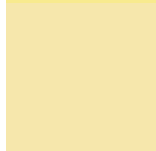
Protanomaly

71.0071, 80.8675, 23.9231



Deuteranomaly

73.0167, 80.7551, 37.3301



Tritanomaly

74.0283, 79.7232, 50.5161

Monochromacy



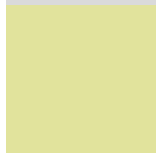
Original Color

66.8777, 81.5505, 15.0123



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.5212, 73.3460, 42.2091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8777, 81.5505, 15.0123 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(236, 242, 48)` looks like.

```
.text, #text, p{  
    color:rgb(236, 242, 48)  
}
```

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(236, 242, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 242, 48) }
```

Border

The CSS property to change the border of an element to XYZ 66.8777, 81.5505, 15.0123 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(236, 242, 48) }
```


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

```
.border{ border-color:rgb(236, 242, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 242, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 242, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 242, 48);  
box-shadow:4px 4px 4px 4px rgb(236, 242,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8777, 81.5505, 15.0123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 242, 48) }
```

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

```
.background{ background-color: rgb(236,  
242, 48) }
```

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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