

Converting Colors

XYZ(66.8239, 87.4932, 15.2208)

Have a look what the booklet for
XYZ(66.8239, 87.4932, 15.2208)
contains.

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Color

**XYZ(66.8503, 87.5072,
15.2009)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF26
RGB	224, 255, 38
RGB Percent	88%, 100%, 15%
CMY	0.1216, 0.0000, 0.8509
CMYK	0.12, 0.00, 0.85, 0.00
HSL	69°, 100%, 57%
HSV	69°, 85%, 100%
XYZ	66.8503, 87.5072, 15.2009
YIQ	220.9930, 51.1810, -74.0590

Conversions

Conversions Part 2

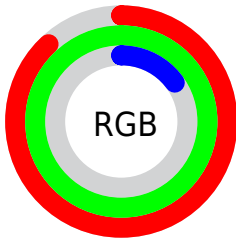
Format	Color
R _Y B	38, 255, 69
Decimal	14745382
CIE Lab	94.95, -33.59, 87.55
CIE LCh	95, 93.768, 110.991
Yxy	87.5072, 0.3943, 0.5161
Android (android.graphics.Color)	4292935462 (0xFFE0FF26)
YUV	220.9930, -90.2155, 2.6371
Hunter-Lab	93.5453, -36.1427, 55.8472

Details

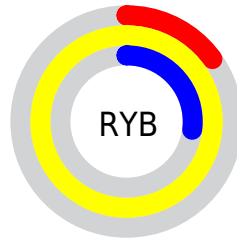
The XYZ color **66.8503, 87.5072, 15.2009** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **21.1988, 9.8728, 95.3961**, and the grayscale version is **69.3112, 72.9208, 79.4108**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **35.5039, 48.2807, 7.4478** is the 20% darker color. If you saturate the color by 10%, you get **65.4526, 86.8191, 13.6726**, and if you desaturate by 10%, it is **68.5532, 88.3202, 18.2126**.

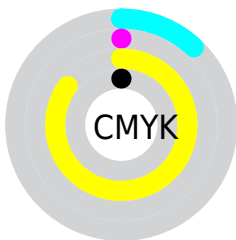
Distribution



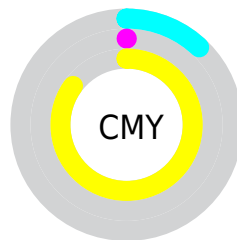
- Red (88%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (27%)



- Cyan (12%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8503, 87.5072, 15.2009 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 66.8503, 87.5072, 15.2009 by changing the saturation by 10% instead.


 66.8503, 87.5072,
15.2009


 66.8503, 87.5072,
15.2009


438.8526,
519.8881, 236.2615

 49.2332, 65.9150,
8.8123


 113.7569,
143.8709, 35.9525


 35.0198, 48.2034,
4.5238


 143.7771,
179.4112, 51.1526

 23.8447, 33.9880,
1.9169


 178.6624,
220.3696, 70.1270

 15.3426, 22.8844,
0.5034

 218.7781,
267.1306, 93.2941

 9.1481, 14.5082,
0.0000

 264.4896,
320.0786, 121.0726

 4.8958, 8.4749,
0.0000

316.1623,

 2.2204, 4.4003,

379.5979, 153.8810

0.0000

374.1615,
446.0729, 192.1378

■ 0.7534, 1.8999,
0.0000

■ 0.0000, 0.5483,
0.0000

■ 66.8503, 87.5072,
15.2009

■ 66.8503, 87.5072,
15.2009

■ 65.4526, 86.8191,
13.6726

■ 68.5532, 88.3202,
18.2126

■ 64.8437, 86.5132,
13.2811

■ 70.6110, 89.2780,
22.9649

■ 73.0640, 90.3967,
29.6707

■ 75.9469, 91.6901,
38.5113

■ 79.2902, 93.1707,
49.6476

■ 83.1218, 94.8494,
63.2248

■ 87.4671, 96.7365,
79.3764

■ 92.3497, 98.8414,
98.2260

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



91.0717, 87.5072, 13.0813



66.8503, 87.5072, 15.2009



50.6557, 87.5072, 31.5003

Triad

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



66.8503, 87.5072, 15.2009



56.0230, 87.5072, 250.8834



141.4525, 87.5072, 118.9485

Complementary

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



66.8503, 87.5072, 15.2009



21.1988, 9.8728, 95.3961

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.



127.2734, 87.5072, 213.4811



66.8503, 87.5072, 15.2009



75.7447, 87.5072, 311.4658

Square

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



66.8503, 87.5072, 15.2009



45.3482, 87.5072, 154.7981



101.9573, 87.5072, 295.0895



137.7202, 87.5072, 53.3878

Rectangle

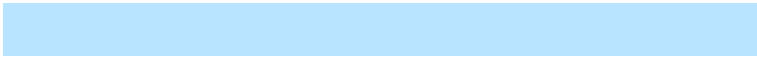
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8503, 87.5072, 15.2009



44.9631, 87.5072, 56.5419



101.9573, 87.5072, 295.0895



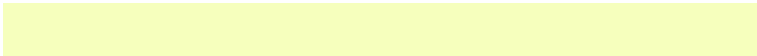
138.5315, 87.5072, 148.5918

Sweetspot

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



66.8503, 87.5072, 15.2021



82.7534, 94.6886, 61.8887



43.5940, 25.4078, 4.4414



17.4198, 20.1392, 12.1962



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.



66.8503, 87.5072, 15.2021



64.8437, 86.5132, 13.2811



43.5237, 75.4819, 14.1104



19.2911, 20.9515, 19.1716



33.9800, 45.2554, 6.9442



3.3753, 4.4408, 0.6793

Inverse Universe

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



21.1988, 9.8728, 95.3961



18.7927, 7.6029, 95.0848



36.5213, 17.7719, 96.1132



17.2444, 17.5022, 22.7193



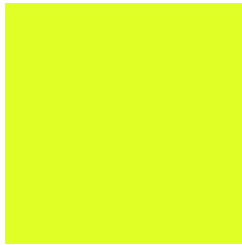
9.8921, 4.0101, 49.6872



1.0323, 0.4261, 4.8411

Previews

White Background



This preview shows how the XYZ color 66.8503, 87.5072, 15.2009 looks on a white background.

Color Contrast Check

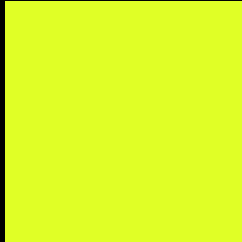
Large Text (above 18pt) WCAG AA × Fail

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 66.8503, 87.5072, 15.2009 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 66.8503, 87.5072, 15.2009

Background



This preview shows how black text looks on a background with the XYZ color 66.8503, 87.5072, 15.2009.



This preview shows how white text looks on a background with the XYZ color 66.8503, 87.5072,

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

66.8503, 87.5072, 15.2009

Protanopia

80.6383, 86.8755, 55.6986

Deuteranopia

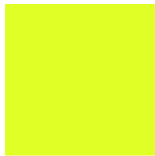
83.9189, 86.7862, 77.2942



Tritanopia

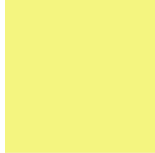
85.2963, 86.8431, 106.8745

Trichromacy



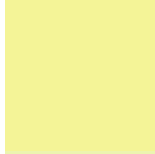
Original Color

66.8503, 87.5072, 15.2009



Protanomaly

73.8569, 86.0964, 33.1477



Deuteranomaly

75.2448, 86.1688, 41.9446



Tritanomaly

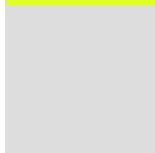
74.7792, 85.6688, 53.6687

Monochromacy



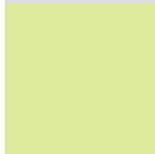
Original Color

66.8503, 87.5072, 15.2009



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.0958, 76.1405, 41.8375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8503, 87.5072, 15.2009 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(224, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 38)  
}
```

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(224, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 38) }
```

Border

The CSS property to change the border of an element to XYZ 66.8503, 87.5072, 15.2009 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(224, 255, 38) }
```


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

```
.border{ border-color:rgb(224, 255, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8503, 87.5072, 15.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 38) }
```

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

```
.background{ background-color: rgb(224,  
255, 38) }
```

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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