

Converting Colors

XYZ(51.0584, 75.7882, 13.6942)

Have a look what the booklet for
XYZ(51.0584, 75.7882, 13.6942)
contains.

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Color

**XYZ(51.0503, 75.6538,
13.6623)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AEF725 |
| RGB | 174, 247, 37 |
| RGB Percent | 68%, 97%, 15% |
| CMY | 0.3176, 0.0314, 0.8548 |
| CMYK | 0.30, 0.00, 0.85, 0.03 |
| HSL | 81°, 93%, 56% |
| HSV | 81°, 85%, 97% |
| XYZ | 51.0503, 75.6538, 13.6623 |
| YIQ | 201.2330, 23.9020, -80.7860 |

Conversions

Conversions Part 2

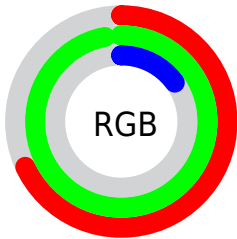
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 37, 247, 110 |
| Decimal | 11466533 |
| CIE Lab | 89.70, -49.16, 82.11 |
| CIE LCh | 90, 95.704, 120.910 |
| Yxy | 75.6538, 0.3637, 0.5390 |
| Android (android.graphics.Color) | 4289656613 (0xFFFAEF725) |
| YUV | 201.2330, -80.9669, -23.8833 |
| Hunter-Lab | 86.9792, -47.4474, 51.5724 |

Details

The XYZ color **51.0503, 75.6538, 13.6623** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **23.8841, 11.3559, 88.9332**, and the grayscale version is **56.1412, 59.0649, 64.3217**.

A 20% lighter version of the original color is **72.2415, 90.0323, 26.9351**, and **25.4837, 40.4717, 6.4687** is the 20% darker color. If you saturate the color by 10%, you get **48.9337, 74.5958, 12.1773**, and if you desaturate by 10%, it is **53.5544, 76.8862, 16.5343**.

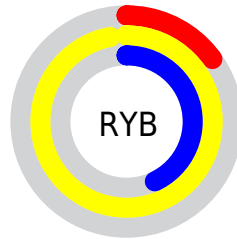
Distribution



Red (68%)

Green (97%)

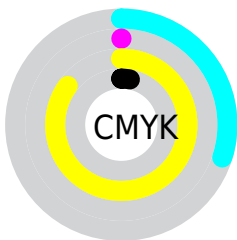
Blue (15%)



Red (15%)

Yellow (97%)

Blue (43%)

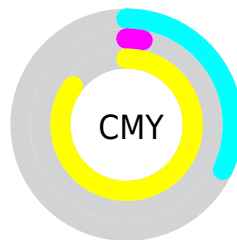


Cyan (30%)

Magenta (0%)

Yellow (85%)

Black (3%)



Cyan (32%)


Magenta (3%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0503, 75.6538, 13.6623 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 51.0503, 75.6538, 13.6623 by changing the saturation by 10% instead.


 51.0503, 75.6538,
13.6623


 51.0503, 75.6538,
13.6623


381.1436,
480.1618, 226.4746

 36.4698, 56.1487,
7.7501


 90.9117, 127.2374,
33.1971


 24.9691, 40.3221,
3.8500


 116.9233,
160.0847, 47.6567


 16.1826, 27.7898,
1.5434

 147.4760,
198.1481, 65.8026

 9.7451, 18.1673,
0.2500

 182.9352,
241.8122, 88.0533

 5.2913, 11.0701,
0.0000

 223.6662,
291.4611, 114.8273

 2.4557, 6.1140,
0.0000

270.0344,

 0.8730, 2.9145,

347.4795, 146.5432

0.0000

322.4051,
410.2515, 183.6194

■ 0.0000, 1.0873,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0503, 75.6538,
13.6623

■ 51.0503, 75.6538,
13.6623

■ 48.9337, 74.5958,
12.1773

■ 53.5544, 76.8862,
16.5343

■ 47.9869, 74.1156,
11.7766

■ 56.4886, 78.3024,
21.0285

■ 59.8938, 79.9217,
27.3418

■ 63.8040, 81.7578,
35.6418

68.2493, 83.8230,
46.0772

73.2572, 86.1287,
58.7823

78.8532, 88.6851,
73.8806

85.0609, 91.5021,
91.4864

91.1992, 94.3073,
108.0041

Harmonies

Analogous

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



71.1893, 75.6538, 8.8231



51.0503, 75.6538, 13.6623



39.1321, 75.6538, 34.0171

Triad

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



51.0503, 75.6538, 13.6623



52.0489, 75.6538, 255.7874



127.3986, 75.6538, 80.3299

Complementary

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



51.0503, 75.6538, 13.6623



23.8841, 11.3559, 88.9332

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.



119.2191, 75.6538, 162.9506



51.0503, 75.6538, 13.6623



72.6288, 75.6538, 292.1988

Square

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



51.0503, 75.6538, 13.6623



39.6139, 75.6538, 168.6420



97.7868, 75.6538, 251.4250



118.2137, 75.6538, 32.0753

Rectangle

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



51.0503, 75.6538, 13.6623



35.8006, 75.6538, 63.5253



97.7868, 75.6538, 251.4250



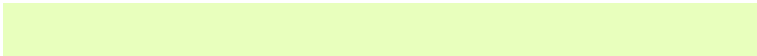
126.5755, 75.6538, 104.6251

Sweetspot

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



51.0520, 75.6571, 13.6639



78.1753, 92.3286, 61.6745



43.9526, 30.4264, 5.3077



16.3226, 19.5736, 12.1449



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.



51.0520, 75.6571, 13.6639



51.5587, 79.6645, 12.6594



36.2699, 68.0367, 12.9721



17.3228, 19.0085, 17.5536



25.5365, 39.2774, 6.2354



2.3550, 3.5091, 0.5532

Inverse Universe

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



23.8841, 11.3559, 88.9332



22.1366, 9.3267, 95.2413



44.6046, 22.0378, 89.9029



16.1245, 16.2068, 20.8209



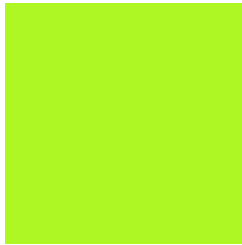
11.0402, 4.6657, 46.8567



1.0769, 0.4650, 4.1232

Previews

White Background



This preview shows how the XYZ color 51.0503, 75.6538, 13.6623 looks on a white background.

Color Contrast Check

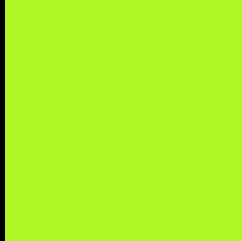
Large Text (above 18pt) WCAG AA × Fail

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 51.0503, 75.6538, 13.6623 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 51.0503, 75.6538, 13.6623

Background



This preview shows how black text looks on a background with the XYZ color 51.0503, 75.6538, 13.6623.



This preview shows how white text looks on a background with the XYZ color 51.0503, 75.6538,

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

51.0503, 75.6538, 13.6623

Protanopia

67.6676, 74.8268, 12.1049

Deuteranopia

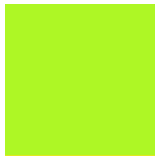
73.6394, 74.7502, 47.5928



Tritanopia

68.2660, 75.2413, 99.7319

Trichromacy



Original Color

51.0503, 75.6538, 13.6623



Protanomaly

60.1539, 74.2349, 12.5972



Deuteranomaly

62.7735, 73.5634, 28.6599



Tritanomaly

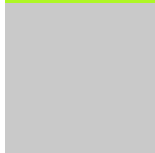
58.3324, 73.7500, 49.6888

Monochromacy



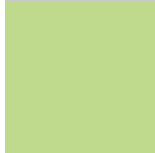
Original Color

51.0503, 75.6538, 13.6623



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.3650, 63.1423, 34.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0503, 75.6538, 13.6623 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(174, 247, 37)` looks like.

```
.text, #text, p{  
    color:rgb(174, 247, 37)  
}
```

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(174, 247, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 247, 37) }
```

Border

The CSS property to change the border of an element to XYZ 51.0503, 75.6538, 13.6623 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(174, 247, 37) }
```


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

```
.border{ border-color:rgb(174, 247, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 247, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 247, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 247, 37);  
box-shadow:4px 4px 4px 4px rgb(174, 247,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0503, 75.6538, 13.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 247, 37) }
```

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

```
.background{ background-color: rgb(174,  
247, 37) }
```

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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