

Converting Colors

XYZ(45.6535, 68.5560, 10.8265)

Have a look what the booklet for
XYZ(45.6535, 68.5560, 10.8265)
contains.

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Color

**XYZ(45.5940, 68.4609,
10.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	A4ED00
RGB	164, 237, 0
RGB Percent	64%, 93%, 0%
CMY	0.3569, 0.0706, 0.9999
CMYK	0.31, 0.00, 1.00, 0.07
HSL	78°, 100%, 46%
HSV	78°, 100%, 93%
XYZ	45.5940, 68.4609, 10.8112
YIQ	188.1550, 32.5690, -89.1830

Conversions

Conversions Part 2

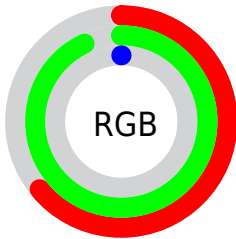
Format	Color
RYB	0, 237, 73
Decimal	10808576
CIELab	86.24, -49.27, 83.66
CIELCh	86, 97.088, 120.495
Yxy	68.4609, 0.3651, 0.5483
Android (android.graphics.Color)	4288998656 (0xFFA4ED00)
YUV	188.1550, -92.7604, -21.1839
Hunter-Lab	82.7411, -46.4355, 50.1718

Details

The XYZ color **45.5940, 68.4609, 10.8112** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **18.0378, 7.5334, 80.6282**, and the grayscale version is **48.3900, 50.9101, 55.4411**.

A 20% lighter version of the original color is **68.3459, 88.1055, 23.0767**, and **22.2328, 35.9908, 5.7751** is the 20% darker color. If you saturate the color by 10%, you get **45.5933, 68.4628, 10.8116**, and if you desaturate by 10%, it is **47.3080, 69.3280, 11.7379**.

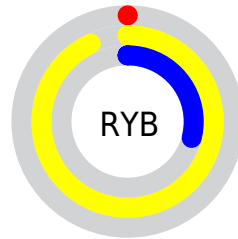
Distribution



Red (64%)

Green (93%)

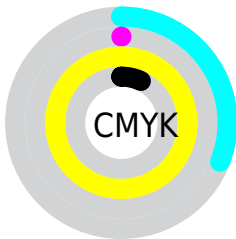
Blue (0%)



Red (0%)

Yellow (93%)

Blue (29%)

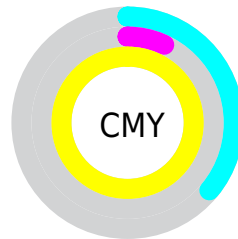


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (36%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5940, 68.4609, 10.8112 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 45.5940, 68.4609, 10.8112 by changing the saturation by 10% instead.


 45.5940, 68.4609,
10.8112


 45.5940, 68.4609,
10.8112


359.9173,
455.1273, 207.0584

 32.1288, 50.2728,
5.8275


 82.8426, 117.0113,
27.9418


 21.6159, 35.6302,
2.6734


 107.3568,
148.1423, 40.9257


 13.6900, 24.1487,
0.9300


 136.2847,
184.3564, 57.4135

 7.9856, 15.4440,
0.0000

 169.9917,
226.0380, 77.8236

 4.1375, 9.1316,
0.0000

 208.8431,
273.5715, 102.5746

 1.7802, 4.8271,
0.0000

 253.2042,

 0.5057, 2.1462,

327.3413, 132.0850

0.0000

303.4405,
387.7318, 166.7735

■ 0.0000, 0.6904,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.5940, 68.4609,
10.8112

■ 45.5940, 68.4609,
10.8112

■ 45.5933, 68.4628,
10.8116

■ 47.3080, 69.3280,
11.7379

■ 49.3062, 70.3166,
13.7092

■ 51.6538, 71.4552,
17.0537

■ 54.3886, 72.7592,
21.9646

■ 57.5428, 74.2415,
28.6041

■ 61.1447, 75.9137,
37.1144

■ 65.2196, 77.7861,
47.6227

■ 69.7910, 79.8680,
60.2452

■ 74.8802, 82.1684,
75.0892

Harmonies

Analogous

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



64.6989, 68.4609, 6.7579



45.5940, 68.4609, 10.8112



34.3579, 68.4609, 28.8483

Triad

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



45.5940, 68.4609, 10.8112



46.1040, 68.4609, 241.3383



118.2468, 68.4609, 73.4823

Complementary

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



45.5940, 68.4609, 10.8112



18.0378, 7.5334, 80.6282

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.



110.1364, 68.4609, 153.1462



45.5940, 68.4609, 10.8112



65.4426, 68.4609, 278.0001

Square

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



45.5940, 68.4609, 10.8112



34.6014, 68.4609, 156.1469



89.4264, 68.4609, 239.0149



109.6091, 68.4609, 27.8796

Rectangle

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



45.5940, 68.4609, 10.8112



31.2019, 68.4609, 55.9972



89.4264, 68.4609, 239.0149



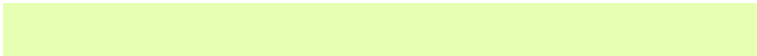
117.3722, 68.4609, 96.7870

Sweetspot

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



45.5956, 68.4639, 10.8127



76.9408, 91.8154, 56.0501



37.1882, 22.5279, 2.3892



16.0183, 19.4459, 10.8123



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.



45.5956, 68.4639, 10.8127



53.7641, 80.8015, 12.7626



31.4780, 61.1860, 10.1520



15.8742, 17.3807, 16.0369



25.0313, 37.4486, 5.9090



2.0632, 2.9909, 0.4686

Inverse Universe

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



18.0378, 7.5334, 80.6282



21.2380, 8.8635, 95.1992



36.4253, 17.0125, 81.4887



14.6677, 14.7740, 19.0008



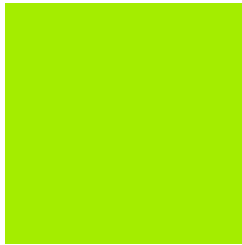
9.9641, 4.1726, 44.0232



0.8776, 0.3767, 3.4613

Previews

White Background



This preview shows how the XYZ color 45.5940, 68.4609, 10.8112 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 45.5940, 68.4609, 10.8112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

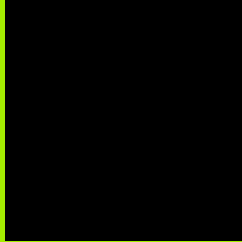
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5940, 68.4609, 10.8112

Background



This preview shows how black text looks on a background with the XYZ color 45.5940, 68.4609, 10.8112.



This preview shows how white text looks on a background with the XYZ color 45.5940, 68.4609, 10.8112.

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

45.5940, 68.4609, 10.8112

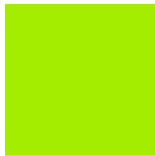
Deuteranopia

67.5821, 67.4974, 30.5854

Tritanopia

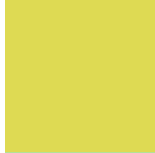
61.5193, 67.9242, 90.7572

Trichromacy



Original Color

45.5940, 68.4609, 10.8112



Deuteranomaly

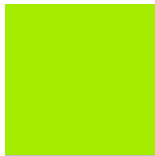
56.7569, 66.2969, 17.9888



Tritanomaly

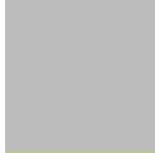
51.3727, 66.2108, 39.3505

Monochromacy



Original Color

45.5940, 68.4609, 10.8112



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0519, 55.0824, 26.0795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5940, 68.4609, 10.8112 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(164, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 237, 0)  
}
```

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(164, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.5940, 68.4609, 10.8112 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(164, 237, 0) }
```

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

```
.border{ border-color:rgb(164, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 237,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 45.5940, 68.4609, 10.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 237, 0) }
```

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

```
.background{ background-color: rgb(164,  
237, 0) }
```

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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