

Converting Colors

XYZ(50.5852, 74.4624, 11.7061)

Have a look what the booklet for
XYZ(50.5852, 74.4624, 11.7061)
contains.

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Color

**XYZ(50.5569, 74.5349,
11.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F500
RGB	176, 245, 0
RGB Percent	69%, 96%, 0%
CMY	0.3098, 0.0392, 0.9999
CMYK	0.28, 0.00, 1.00, 0.04
HSL	77°, 100%, 48%
HSV	77°, 100%, 96%
XYZ	50.5569, 74.5349, 11.7221
YIQ	196.4390, 37.5210, -90.8230

Conversions

Conversions Part 2

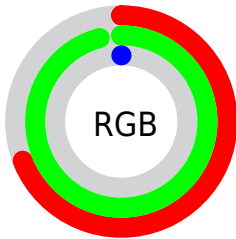
Format	Color
RYB	0, 245, 69
Decimal	11597056
CIELab	89.17, -48.22, 86.19
CIELCh	89, 98.763, 119.224
Yxy	74.5349, 0.3695, 0.5448
Android (android.graphics.Color)	4289787136 (0xFFB0F500)
YUV	196.4390, -96.8444, -17.9250
Hunter-Lab	86.3336, -46.5543, 52.3833

Details

The XYZ color **50.5569, 74.5349, 11.7221** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **18.9401, 7.8606, 86.9095**, and the grayscale version is **53.2861, 56.0611, 61.0506**.

A 20% lighter version of the original color is **72.6168, 90.2972, 23.7270**, and **25.1857, 39.6794, 6.3315** is the 20% darker color. If you saturate the color by 10%, you get **50.5560, 74.5369, 11.7225**, and if you desaturate by 10%, it is **52.3295, 75.4315, 12.6955**.

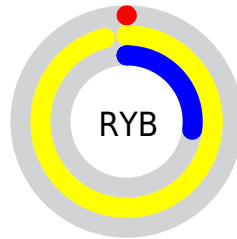
Distribution



Red (69%)

Green (96%)

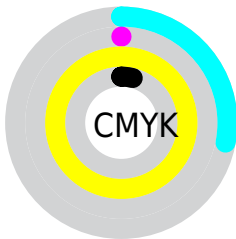
Blue (0%)



Red (0%)

Yellow (96%)

Blue (27%)

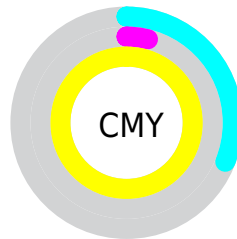


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (31%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5569, 74.5349, 11.7221 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 50.5569, 74.5349, 11.7221 by changing the saturation by 10% instead.


 50.5569, 74.5349,
11.7221

 50.5569, 74.5349,
11.7221


379.2559,
476.3174, 213.4689

 36.0757, 55.2319,
6.4345


 90.1864, 125.6538,
29.6447


 24.6630, 39.5875,
3.0380


 116.0653,
158.2385, 43.1169


 15.9536, 27.2170,
1.1141


 146.4743,
196.0192, 60.1542

 9.5820, 17.7363,
0.0000

 181.7785,
239.3804, 81.1754

 5.1828, 10.7608,
0.0000

 222.3434,
288.7064, 106.5989

 2.3908, 5.9062,
0.0000

 268.5344,

 0.8405, 2.7882,

344.3817, 136.8433

0.0000

320.7168,
406.7906, 172.3272

■ 0.0000, 1.0222,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5569, 74.5349,
11.7221

■ 50.5569, 74.5349,
11.7221

■ 50.5560, 74.5369,
11.7225

■ 52.3295, 75.4315,
12.6955

■ 54.3952, 76.4519,
14.7999

■ 56.8232, 77.6268,
18.3861

■ 59.6546, 78.9725,
23.6644

■ 62.9237, 80.5030,
30.8108

■ 66.6609, 82.2305,
39.9795

■ 70.8935, 84.1661,
51.3087

■ 75.6464, 86.3199,
64.9244

■ 80.9427, 88.7012,
80.9428

Harmonies

Analogous

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



71.4720, 74.5349, 7.6651



50.5569, 74.5349, 11.7221



38.0439, 74.5349, 30.4577

Triad

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



50.5569, 74.5349, 11.7221



49.6946, 74.5349, 256.7131



127.9575, 74.5349, 82.9648

Complementary

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



50.5569, 74.5349, 11.7221



18.9401, 7.8606, 86.9095

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.



118.5346, 74.5349, 169.6716



50.5569, 74.5349, 11.7221



70.2180, 74.5349, 299.0626

Square

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



50.5569, 74.5349, 11.7221



37.6312, 74.5349, 164.6370



95.9383, 74.5349, 260.6020



119.4205, 74.5349, 32.1047

Rectangle

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



50.5569, 74.5349, 11.7221



34.3985, 74.5349, 58.8023



95.9383, 74.5349, 260.6020



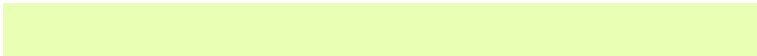
126.7567, 74.5349, 108.5587

Sweetspot

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



50.5586, 74.5382, 11.7237



77.5977, 92.1540, 56.0808



39.5695, 23.2359, 2.4005



16.1758, 19.5271, 10.8196



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.



50.5586, 74.5382, 11.7237



55.3284, 81.6079, 12.8358



34.3529, 66.1838, 10.9653



17.4331, 19.0653, 17.5587



27.3763, 40.2258, 6.3215



2.5061, 3.5870, 0.5603

Inverse Universe

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



18.9401, 7.8606, 86.9095



20.7100, 8.5913, 95.1745



37.1839, 17.2656, 87.7633



16.0194, 16.1527, 20.8160



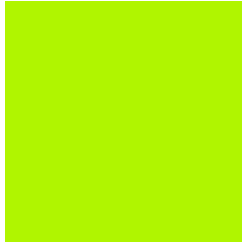
10.3177, 4.2933, 46.8229



1.0031, 0.4270, 4.1198

Previews

White Background



This preview shows how the XYZ color 50.5569, 74.5349, 11.7221 looks on a white background.

Color Contrast Check

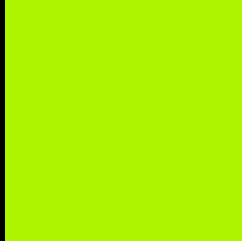
Large Text (above 18pt) WCAG AA × Fail

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 50.5569, 74.5349, 11.7221 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 50.5569, 74.5349, 11.7221

Background



This preview shows how black text looks on a background with the XYZ color 50.5569, 74.5349, 11.7221.



This preview shows how white text looks on a background with the XYZ color 50.5569, 74.5349,

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

50.5569, 74.5349, 11.7221

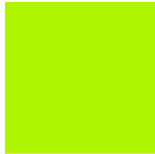
Deuteranopia

72.6637, 73.5301, 45.0133

Tritanopia

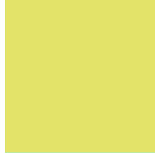
67.9311, 74.2827, 97.9464

Trichromacy



Original Color

50.5569, 74.5349, 11.7221



Deuteranomaly

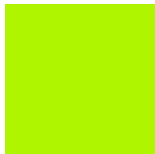
61.3318, 72.1064, 23.7821



Tritanomaly

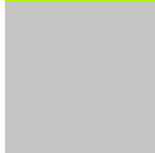
56.9945, 72.3563, 42.8605

Monochromacy



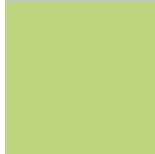
Original Color

50.5569, 74.5349, 11.7221



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.7345, 60.3926, 28.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5569, 74.5349, 11.7221 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(176, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 245, 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(176, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.5569, 74.5349, 11.7221 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(176, 245, 0) }
```

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

```
.border{ border-color:rgb(176, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 245,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 50.5569, 74.5349, 11.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 245, 0) }
```

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

```
.background{ background-color: rgb(176,  
245, 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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