

Converting Colors

XYZ(48.7268, 68.9663, 11.4321)

Have a look what the booklet for
XYZ(48.7268, 68.9663, 11.4321)
contains.

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Color

**XYZ(48.6142, 68.7235,
11.4122)**

Conversions

Conversions Part 1

Format	Color
Hex	B5EA15
RGB	181, 234, 21
RGB Percent	71%, 92%, 8%
CMY	0.2902, 0.0823, 0.9176
CMYK	0.23, 0.00, 0.91, 0.08
HSL	75°, 84%, 50%
HSV	75°, 91%, 92%
XYZ	48.6142, 68.7235, 11.4122
YIQ	193.8710, 36.7850, -77.4790

Conversions

Conversions Part 2

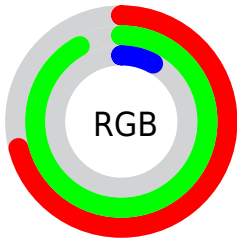
Format	Color
R _Y B	21, 234, 74
Decimal	11921941
CIE Lab	86.37, -41.37, 82.20
CIE LCh	86, 92.023, 116.718
Yxy	68.7235, 0.3776, 0.5338
Android (android.graphics.Color)	4290112021 (0xFFB5EA15)
YUV	193.8710, -85.2254, -11.2879
Hunter-Lab	82.8996, -40.3980, 49.8677

Details

The XYZ color **48.6142, 68.7235, 11.4122** 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 **17.9466, 7.9347, 78.4316**, and the grayscale version is **51.6778, 54.3691, 59.2079**.

A 20% lighter version of the original color is **74.1469, 91.0653, 24.7357**, and **23.9464, 35.9784, 5.6824** is the 20% darker color. If you saturate the color by 10%, you get **47.2764, 68.0518, 10.6436**, and if you desaturate by 10%, it is **50.3371, 69.5762, 13.2010**.

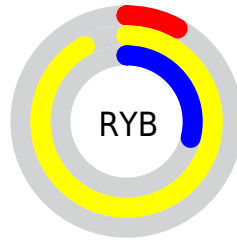
Distribution



Red (71%)

Green (92%)

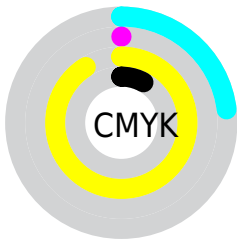
Blue (8%)



Red (8%)

Yellow (92%)

Blue (29%)

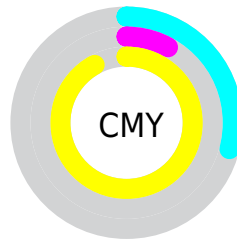


Cyan (23%)

Magenta (0%)

Yellow (91%)

Black (8%)



Cyan (29%)


Magenta (8%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6142, 68.7235, 11.4122 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 48.6142, 68.7235, 11.4122 by changing the saturation by 10% instead.


 48.6142, 68.7235,
11.4122


 48.6142, 68.7235,
11.4122


371.7637,
456.0552, 211.3120


 34.5268, 50.4866,
6.2272


 87.3224, 117.3866,
29.0681


 23.4634, 35.8002,
2.9127


 112.6738,
148.5815, 42.3761


 15.0586, 24.2799,
1.0502


 142.5107,
184.8645, 59.2288

 8.9471, 15.5414,
0.0000

 177.1984,
226.6200, 80.0447

 4.7635, 9.2002,
0.0000

 217.1022,
274.2325, 105.2425

 2.1425, 4.8720,
0.0000

 262.5874,

 0.7122, 2.1724,

328.0862, 135.2406

0.0000

314.0195,
388.5657, 170.4576

■ 0.0000, 0.7049,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6142, 68.7235,
11.4122

■ 48.6142, 68.7235,
11.4122

■ 47.2764, 68.0518,
10.6436

■ 50.3371, 69.5762,
13.2010

■ 52.3646, 70.5549,
16.2988

■ 54.7352, 71.6777,
20.8980

■ 57.4797, 72.9568,
27.1583

60.6253, 74.4033,
35.2192

64.1964, 76.0269,
45.2052

68.2150, 77.8366,
57.2299

72.7018, 79.8406,
71.3980

77.6757, 82.0468,
87.8072

Harmonies

Analogous

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



67.6873, 68.7235, 8.2478



48.6142, 68.7235, 11.4122



36.7649, 68.7235, 27.2236

Triad

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



48.6142, 68.7235, 11.4122



45.3615, 68.7235, 221.5199



115.2061, 68.7235, 81.7308

Complementary

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



48.6142, 68.7235, 11.4122



17.9466, 7.9347, 78.4316

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.



105.7877, 68.7235, 159.1869



48.6142, 68.7235, 11.4122



63.0078, 68.7235, 263.0600

Square

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



48.6142, 68.7235, 11.4122



35.1929, 68.7235, 140.7511



85.4709, 68.7235, 235.6239



109.0472, 68.7235, 33.5769

Rectangle

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



48.6142, 68.7235, 11.4122



33.0716, 68.7235, 51.0307



85.4709, 68.7235, 235.6239



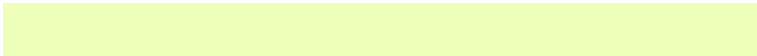
113.7146, 68.7235, 105.0678

Sweetspot

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



48.6158, 68.7266, 11.4137



79.8535, 93.2254, 60.3236



36.3042, 22.0180, 3.0469



16.7449, 19.7974, 11.8914



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.



48.6158, 68.7266, 11.4137



57.3814, 82.6662, 12.9319



32.6867, 60.5148, 10.6682



15.9646, 17.4273, 16.0411



26.6861, 38.3016, 5.9865



2.1821, 3.0522, 0.4741

Inverse Universe

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



17.9466, 7.9347, 78.4316



20.1295, 8.2920, 95.1473



33.2997, 15.8496, 79.1501



14.5824, 14.7300, 18.9968



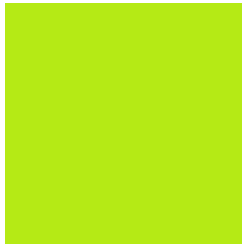
9.4304, 3.8975, 43.9982



0.8262, 0.3502, 3.4589

Previews

White Background



This preview shows how the XYZ color 48.6142, 68.7235, 11.4122 looks on a white background.

Color Contrast Check

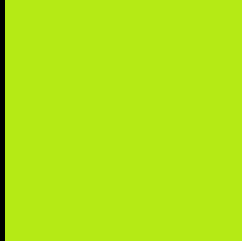
Large Text (above 18pt) WCAG AA × Fail

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 48.6142, 68.7235, 11.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

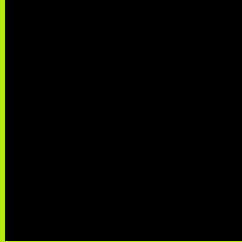
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6142, 68.7235, 11.4122

Background



This preview shows how black text looks on a background with the XYZ color 48.6142, 68.7235, 11.4122.



This preview shows how white text looks on a background with the XYZ color 48.6142, 68.7235,

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

48.6142, 68.7235, 11.4122

Protanopia

61.5784, 68.1906, 10.2332

Deuteranopia

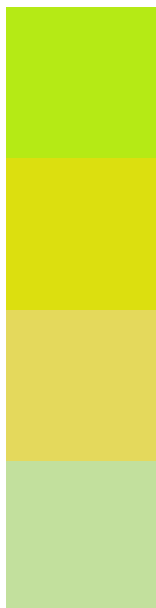
67.9607, 68.0377, 31.3805



Tritanopia

64.1542, 68.5585, 88.4491

Trichromacy



Original Color

48.6142, 68.7235, 11.4122

Protanomaly

55.9891, 68.0255, 10.6312

Deuteranomaly

58.7395, 66.8924, 19.9408

Tritanomaly

54.9896, 67.2150, 41.9738

Monochromacy



Original Color

48.6142, 68.7235, 11.4122

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

47.8835, 58.0584, 30.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6142, 68.7235, 11.4122 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(181, 234, 21)` looks like.

```
.text, #text, p{  
    color:rgb(181, 234, 21)  
}
```

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(181, 234, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 234, 21) }
```

Border

The CSS property to change the border of an element to XYZ 48.6142, 68.7235, 11.4122 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(181, 234, 21) }
```


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

```
.border{ border-color:rgb(181, 234, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 234, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 234, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 234, 21);  
box-shadow:4px 4px 4px 4px rgb(181, 234,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6142, 68.7235, 11.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 234, 21) }
```

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

```
.background{ background-color: rgb(181,  
234, 21) }
```

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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