

Converting Colors

XYZ(46.3063, 62.6248, 11.3388)

Have a look what the booklet for
XYZ(46.3063, 62.6248, 11.3388)
contains.

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Color

**XYZ(46.2069, 62.5603,
11.3090)**

Conversions

Conversions Part 1

Format	Color
Hex	B8DE24
RGB	184, 222, 36
RGB Percent	72%, 87%, 14%
CMY	0.2784, 0.1294, 0.8588
CMYK	0.17, 0.00, 0.84, 0.13
HSL	72°, 74%, 51%
HSV	72°, 84%, 87%
XYZ	46.2069, 62.5603, 11.3090
YIQ	189.4340, 37.0580, -65.9020

Conversions

Conversions Part 2

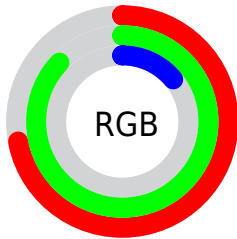
Format	Color
RYB	36, 222, 74
Decimal	12115492
CIELab	83.21, -34.48, 77.04
CIElCh	83, 84.404, 114.112
Yxy	62.5603, 0.3848, 0.5210
Android (android.graphics.Color)	4290305572 (0xFFB8DE24)
YUV	189.4340, -75.6430, -4.7656
Hunter-Lab	79.0951, -34.1377, 46.8893

Details

The XYZ color **46.2069, 62.5603, 11.3090** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **16.6420, 7.9930, 69.7767**, and the grayscale version is **49.0259, 51.5791, 56.1696**.

A 20% lighter version of the original color is **75.4172, 91.6927, 26.0355**, and **22.4229, 32.0731, 5.0089** is the 20% darker color. If you saturate the color by 10%, you get **44.8983, 61.9156, 9.9932**, and if you desaturate by 10%, it is **47.7631, 63.3126, 13.7343**.

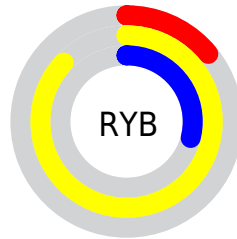
Distribution



Red (72%)

Green (87%)

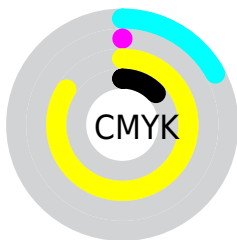
Blue (14%)



Red (14%)

Yellow (87%)

Blue (29%)

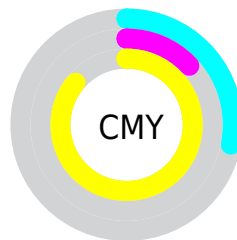


Cyan (17%)

Magenta (0%)

Yellow (84%)

Black (13%)



Cyan (28%)


Magenta (13%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2069, 62.5603, 11.3090 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 46.2069, 62.5603, 11.3090 by changing the saturation by 10% instead.


 46.2069, 62.5603,
11.3090

 46.2069, 62.5603,
11.3090


362.3418,
433.9720, 210.5883


 32.6144, 45.4856,
6.1583


 83.7545, 108.5349,
28.8755

 21.9891, 31.8401,
2.8712


 108.4404,
138.2036, 42.1284


 13.9654, 21.2394,
1.0293


 137.5548,
172.8391, 58.9190

 8.1782, 13.2991,
0.0000

 171.4630,
212.8257, 79.6660

 4.2619, 7.6348,
0.0000

 210.5305,
258.5479, 104.7879

 1.8514, 3.8622,
0.0000

 255.1226,

 0.5483, 1.5968,

310.3901, 134.7033

0.0000

305.6046,
368.7367, 169.8305

■ 0.0000, 0.3554,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2069, 62.5603,
11.3090

■ 46.2069, 62.5603,
11.3090

■ 44.8983, 61.9156,
9.9932

■ 47.7631, 63.3126,
13.7343

■ 44.1726, 61.5505,
9.5523

■ 49.5967, 64.1777,
17.4428

■ 51.7371, 65.1696,
22.5821

■ 54.2088, 66.2981,
29.2789

■ 57.0334, 67.5720,
37.6457

■ 60.2306, 68.9991,
47.7848

■ 63.8187, 70.5868,
59.7903

■ 67.8144, 72.3418,
73.7495

■ 72.2336, 74.2706,
89.7444

Harmonies

Analogous

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



63.1475, 62.5603, 8.9914



46.2069, 62.5603, 11.3090



35.2550, 62.5603, 24.4563

Triad

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



46.2069, 62.5603, 11.3090



41.1178, 62.5603, 186.8208



101.8112, 62.5603, 78.9951

Complementary

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



46.2069, 62.5603, 11.3090



16.6420, 7.9930, 69.7767

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.



92.7910, 62.5603, 145.9756



46.2069, 62.5603, 11.3090



55.9221, 62.5603, 225.7094

Square

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



46.2069, 62.5603, 11.3090



32.7666, 62.5603, 118.1719



75.0360, 62.5603, 207.8322



97.7361, 62.5603, 34.6703

Rectangle

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



46.2069, 62.5603, 11.3090



31.6196, 62.5603, 44.0733



75.0360, 62.5603, 207.8322



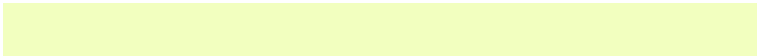
100.1610, 62.5603, 99.6201

Sweetspot

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



46.2083, 62.5631, 11.3103



81.8004, 94.1652, 63.2989



32.8407, 20.4505, 3.8863



17.1698, 20.0042, 12.4626



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.



46.2083, 62.5631, 11.3103



60.3597, 84.2016, 13.0712



30.8358, 54.6383, 10.5909



14.5831, 15.8808, 14.6035



26.3302, 36.6062, 5.6780



1.8952, 2.5735, 0.3968

Inverse Universe

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



16.6420, 7.9930, 69.7767



19.4716, 7.9529, 95.1165



29.5860, 14.6659, 70.3825



13.2124, 13.3775, 17.2734



8.5574, 3.5068, 41.2742



0.6668, 0.2810, 2.8643

Previews

White Background



This preview shows how the XYZ color 46.2069, 62.5603, 11.3090 looks on a white background.

Color Contrast Check

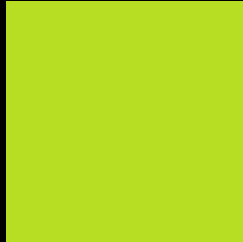
Large Text (above 18pt) WCAG AA × Fail

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 46.2069, 62.5603, 11.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

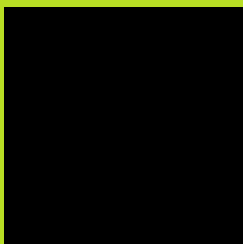
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

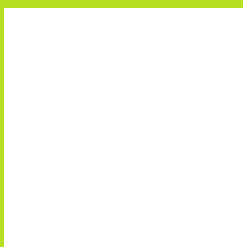
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2069, 62.5603, 11.3090

Background



This preview shows how black text looks on a background with the XYZ color 46.2069, 62.5603, 11.3090.



This preview shows how white text looks on a background with the XYZ color 46.2069, 62.5603,

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

46.2069, 62.5603, 11.3090

Protanopia

56.1778, 62.0536, 10.3831

Deuteranopia

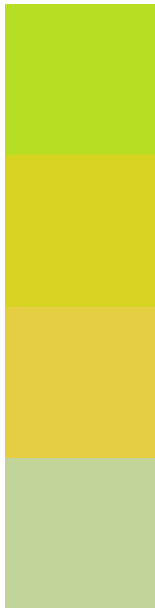
62.8860, 61.8644, 17.4307



Tritanopia

59.9892, 62.5099, 78.7159

Trichromacy



Original Color

46.2069, 62.5603, 11.3090

Protanomaly

51.8423, 61.6438, 10.6049

Deuteranomaly

55.4278, 61.2180, 14.3637

Tritanomaly

51.9656, 61.0556, 40.0564

Monochromacy



Original Color

46.2069, 62.5603, 11.3090

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.6138, 54.0315, 30.2153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2069, 62.5603, 11.3090 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(184, 222, 36)` looks like.

```
.text, #text, p{  
    color:rgb(184, 222, 36)  
}
```

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(184, 222, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 222, 36) }
```

Border

The CSS property to change the border of an element to XYZ 46.2069, 62.5603, 11.3090 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(184, 222, 36) }
```


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

```
.border{ border-color:rgb(184, 222, 36) }
```

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

Here you see how a box with a 4 pixel rgb(184, 222, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 222, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 222, 36);  
box-shadow:4px 4px 4px 4px rgb(184, 222,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2069, 62.5603, 11.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 222, 36) }
```

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

```
.background{ background-color: rgb(184,  
222, 36) }
```

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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