

Converting Colors

XYZ(46.5320, 61.4071, 15.4671)

Have a look what the booklet for
XYZ(46.5320, 61.4071, 15.4671)
contains.

XYZ(46.5088, 61.4452, 15.5397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.5088, 61.4452,
15.5397)**

Conversions

Conversions Part 1

Format	Color
Hex	B9DB48
RGB	185, 219, 72
RGB Percent	73%, 86%, 28%
CMY	0.2745, 0.1412, 0.7176
CMYK	0.16, 0.00, 0.67, 0.14
HSL	74°, 67%, 57%
HSV	74°, 67%, 86%
XYZ	46.5088, 61.4452, 15.5397
YIQ	192.0760, 26.9230, -52.9250

Conversions

Conversions Part 2

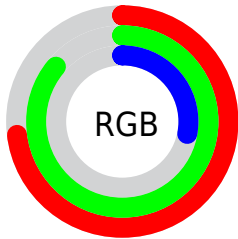
Format	Color
RYB	72, 219, 106
Decimal	12180296
CIELab	82.62, -31.07, 65.51
CIELCh	83, 72.507, 115.373
Yxy	61.4452, 0.3766, 0.4976
Android (android.graphics.Color)	4290370376 (0xFFB9DB48)
YUV	192.0760, -59.1975, -6.2057
Hunter-Lab	78.3870, -31.2691, 43.1170

Details

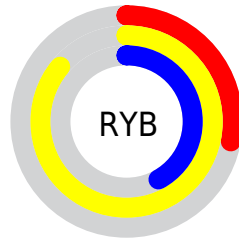
The XYZ color **46.5088, 61.4452, 15.5397** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **21.0496, 12.8149, 68.3856**, and the grayscale version is **50.4728, 53.1014, 57.8274**.

A 20% lighter version of the original color is **76.9645, 92.3116, 34.1835**, and **22.1775, 31.1401, 4.8418** is the 20% darker color. If you saturate the color by 10%, you get **44.7177, 60.5923, 12.3680**, and if you desaturate by 10%, it is **48.6007, 62.4279, 20.0557**.

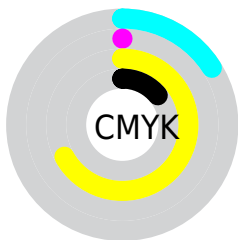
Distribution



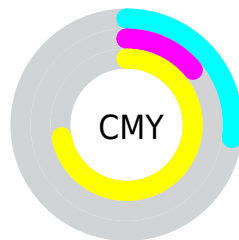
- Red (73%)
- Green (86%)
- Blue (28%)



- Red (28%)
- Yellow (86%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (67%)
- Black (14%)



- Cyan (27%)
- Magenta (14%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5088, 61.4452, 15.5397 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 46.5088, 61.4452, 15.5397 by changing the saturation by 10% instead.

46.5088, 61.4452,
15.5397

46.5088, 61.4452,
15.5397

363.5322,
429.9045, 238.3623

32.8538, 44.5846,
9.0482

84.2032, 106.9233,
36.5528

22.1732, 31.1303,
4.6754

108.9733,
136.3095, 51.9116

14.1015, 20.6981,
2.0027

138.1791,
170.6397, 71.0631

8.2735, 12.9035,
0.5569

172.1861,
210.2983, 94.4261

4.3237, 7.3621,
0.0000

211.3595,
255.6697, 122.4189

1.8869, 3.6896,
0.0000

256.0648,

0.5692, 1.5015,

307.1383, 155.4602

0.0000

306.6672,
365.0884, 193.9685

■ 0.0000, 0.2898,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5088, 61.4452,
15.5397

■ 46.5088, 61.4452,
15.5397

■ 44.7177, 60.5923,
12.3680

■ 48.6007, 62.4279,
20.0557

■ 43.1943, 59.8492,
10.3869


■ 51.0138, 63.5419,
26.0399


■ 41.9020, 59.2035,
9.3999


■ 53.7715, 64.7990,
33.6068


■ 41.5544, 59.0283,
9.2035


■ 56.8936, 66.2069,
42.8583

 60.3982, 67.7731,
53.8877

 64.3022, 69.5043,
66.7817

 68.6213, 71.4069,
81.6211

 73.3704, 73.4869,
98.4822

 76.2076, 74.8075,
105.0305

Harmonies

Analogous

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



60.8458, 61.4452, 12.7161



46.5088, 61.4452, 15.5397



37.1002, 61.4452, 29.1018

Triad

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



46.5088, 61.4452, 15.5397



43.0129, 61.4452, 164.9366



93.5413, 61.4452, 74.0477

Complementary

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



46.5088, 61.4452, 15.5397



21.0496, 12.8149, 68.3856

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.



86.6068, 61.4452, 128.2743



46.5088, 61.4452, 15.5397



56.0241, 61.4452, 193.6121

Square

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



46.5088, 61.4452, 15.5397



35.3471, 61.4452, 110.6897



72.1669, 61.4452, 177.8596



89.7797, 61.4452, 36.5209

Rectangle

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



46.5088, 61.4452, 15.5397



33.9950, 61.4452, 47.5340



72.1669, 61.4452, 177.8596



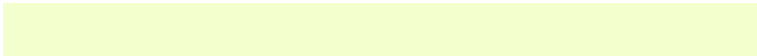
92.3538, 61.4452, 90.9275

Sweetspot

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



46.5102, 61.4480, 15.5410



83.6910, 94.9703, 71.0469



35.3206, 25.4003, 9.1728



17.6114, 20.1927, 14.2542



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.



46.5102, 61.4480, 15.5410



62.0961, 85.0341, 15.9856



33.3974, 54.6880, 14.9273



13.8524, 15.1042, 13.9109



24.7387, 35.0507, 5.4616



1.6758, 2.3085, 0.3573

Inverse Universe

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



21.0496, 12.8149, 68.3856



23.9737, 11.8703, 95.6354



33.3170, 19.1390, 68.9597



12.6192, 12.7618, 16.4503



8.4611, 3.4860, 39.9653



0.6242, 0.2650, 2.5927

Previews

White Background



This preview shows how the XYZ color 46.5088, 61.4452, 15.5397 looks on a white background.

Color Contrast Check

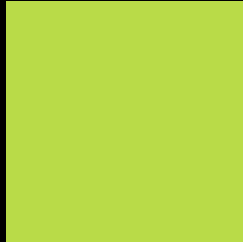
Large Text (above 18pt) WCAG AA × Fail

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 46.5088, 61.4452, 15.5397 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 46.5088, 61.4452, 15.5397

Background



This preview shows how black text looks on a background with the XYZ color 46.5088, 61.4452, 15.5397.



This preview shows how white text looks on a background with the XYZ color 46.5088, 61.4452,

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
46.5088, 61.4452, 15.5397
Protanopia
55.7478, 61.3830, 14.3787
Deuteranopia
62.2781, 60.8994, 16.4550



Tritanopia

58.9699, 61.3006, 77.1308

Trichromacy



Original Color

46.5088, 61.4452, 15.5397

Protanomaly

52.1000, 61.3143, 14.7191

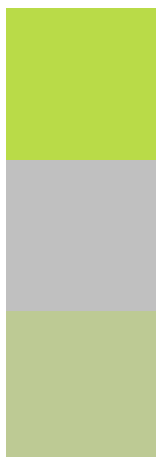
Deuteranomaly

55.6011, 60.5588, 15.9662

Tritanomaly

52.5273, 60.4853, 45.4656

Monochromacy



Original Color

46.5088, 61.4452, 15.5397

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

47.4521, 55.1980, 36.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5088, 61.4452, 15.5397 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(185, 219, 72)` looks like.

```
.text, #text, p{  
    color:rgb(185, 219, 72)  
}
```

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(185, 219, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 219, 72) }
```

Border

The CSS property to change the border of an element to XYZ 46.5088, 61.4452, 15.5397 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(185, 219, 72) }
```


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

```
.border{ border-color:rgb(185, 219, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 219, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 219, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 219, 72);  
box-shadow:4px 4px 4px 4px rgb(185, 219,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5088, 61.4452, 15.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 219, 72) }
```

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

```
.background{ background-color: rgb(185,  
219, 72) }
```

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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