

Converting Colors

XYZ(46.2659, 61.4063, 11.8004)

Have a look what the booklet for
XYZ(46.2659, 61.4063, 11.8004)
contains.

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Color

**XYZ(46.2797, 61.4097,
11.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDB2C
RGB	187, 219, 44
RGB Percent	73%, 86%, 17%
CMY	0.2667, 0.1412, 0.8274
CMYK	0.15, 0.00, 0.80, 0.14
HSL	71°, 71%, 52%
HSV	71°, 80%, 86%
XYZ	46.2797, 61.4097, 11.7969
YIQ	189.4820, 37.1030, -61.2090

Conversions

Conversions Part 2

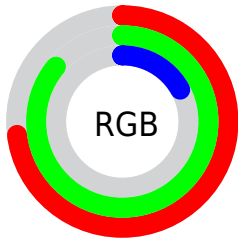
Format	Color
RYB	44, 219, 76
Decimal	12311340
CIELab	82.60, -31.64, 74.65
CIELCh	83, 81.079, 112.966
Yxy	61.4097, 0.3873, 0.5139
Android (android.graphics.Color)	4290501420 (0xFFBBDB2C)
YUV	189.4820, -71.7226, -2.1767
Hunter-Lab	78.3643, -31.7207, 45.9296

Details

The XYZ color **46.2797, 61.4097, 11.7969** 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 **16.6695, 8.4538, 67.7747**, and the grayscale version is **49.0316, 51.5851, 56.1761**.

A 20% lighter version of the original color is **76.7193, 92.3348, 27.4145**, and **22.3287, 31.2180, 4.8488** is the 20% darker color. If you saturate the color by 10%, you get **45.0058, 60.7907, 10.1262**, and if you desaturate by 10%, it is **47.8007, 62.1351, 14.6140**.

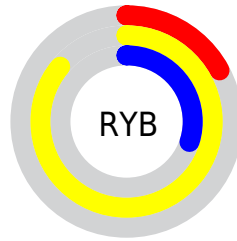
Distribution



Red (73%)

Green (86%)

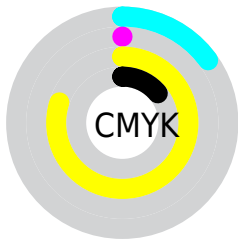
Blue (17%)



Red (17%)

Yellow (86%)

Blue (30%)

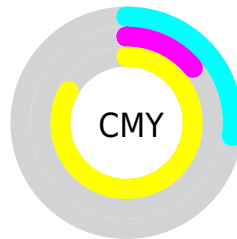


Cyan (15%)

Magenta (0%)

Yellow (80%)

Black (14%)



Cyan (27%)

Magenta (14%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2797, 61.4097, 11.7969 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 46.2797, 61.4097, 11.7969 by changing the saturation by 10% instead.

■ 46.2797, 61.4097,
11.7969

■ 46.2797, 61.4097,
11.7969

362.6291,
429.7746, 213.9860

■ 32.6721, 44.5559,
6.4847

■ 83.8627, 106.8719,
29.7835

■ 22.0334, 31.1078,
3.0685

■ 108.5689,
136.2491, 43.2950

■ 13.9982, 20.6809,
1.1297

■ 137.7054,
170.5696, 60.3766

■ 8.2011, 12.8910,
0.0000

■ 171.6375,
210.2177, 81.4469

■ 4.2768, 7.3535,
0.0000

■ 210.7305,
255.5779, 106.9245

■ 1.8599, 3.6842,
0.0000

■ 255.3499,

■ 0.5534, 1.4985,

307.0345, 137.2278

0.0000

305.8610,
364.9719, 172.7755

■ 0.0000, 0.2877,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2797, 61.4097,
11.7969

■ 46.2797, 61.4097,
11.7969

■ 45.0058, 60.7907,
10.1262

■ 47.8007, 62.1351,
14.6140

■ 43.9218, 60.2486,
9.3202

■ 49.5949, 62.9708,
18.7318

■ 43.9120, 60.2437,
9.3138

■ 51.6890, 63.9296,
24.2844

■ 54.1056, 65.0206,
31.3888

■ 56.8646, 66.2519,
40.1494

■ 59.9845, 67.6308,
50.6621

■ 63.4822, 69.1641,
63.0150

■ 67.3735, 70.8583,
77.2905

■ 71.6734, 72.7192,
93.5661

Harmonies

Analogous

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



62.5550, 61.4097, 9.7669



46.2797, 61.4097, 11.7969



35.5559, 61.4097, 24.2103

Triad

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



46.2797, 61.4097, 11.7969



40.4715, 61.4097, 176.0057



98.1962, 61.4097, 79.2776

Complementary

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



46.2797, 61.4097, 11.7969



16.6695, 8.4538, 67.7747

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.



89.3027, 61.4097, 142.6234



46.2797, 61.4097, 11.7969



54.3722, 61.4097, 213.8538

Square

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



46.2797, 61.4097, 11.7969



32.6966, 61.4097, 111.5728



72.3970, 61.4097, 199.2982



94.8451, 61.4097, 36.0507

Rectangle

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



46.2797, 61.4097, 11.7969



31.8996, 61.4097, 42.5723



72.3970, 61.4097, 199.2982



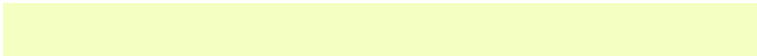
96.4889, 61.4097, 98.9882

Sweetspot

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



46.2811, 61.4125, 11.7982



82.7164, 94.6046, 64.8221



32.0638, 20.0308, 4.5601



17.3704, 20.1014, 12.7549



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.



46.2811, 61.4125, 11.7982



62.4591, 85.2775, 13.4612



31.3058, 53.6925, 11.0974



13.9165, 15.1372, 13.9139



26.1220, 35.7639, 5.5263



1.7543, 2.3489, 0.3609

Inverse Universe

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



16.6695, 8.4538, 67.7747



19.7347, 8.2529, 95.1606



28.3200, 14.4598, 68.3199



12.5597, 12.7312, 16.4475



8.1684, 3.3352, 39.9516



0.5963, 0.2506, 2.5914

Previews

White Background



This preview shows how the XYZ color 46.2797, 61.4097, 11.7969 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 46.2797, 61.4097, 11.7969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

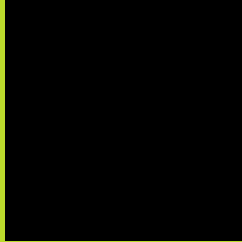
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2797, 61.4097, 11.7969

Background



This preview shows how black text looks on a background with the XYZ color 46.2797, 61.4097, 11.7969.



This preview shows how white text looks on a background with the XYZ color 46.2797, 61.4097,

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

46.2797, 61.4097, 11.7969

Protanopia

55.4093, 61.2847, 10.9162

Deuteranopia

62.0251, 60.7982, 15.1228



Tritanopia

59.4130, 61.1904, 76.3897

Trichromacy



Original Color

46.2797, 61.4097, 11.7969

Protanomaly

51.7188, 61.1957, 11.1839

Deuteranomaly

55.1514, 60.3789, 13.5980

Tritanomaly

52.0899, 60.0070, 40.2896

Monochromacy



Original Color

46.2797, 61.4097, 11.7969

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.8372, 53.7775, 31.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2797, 61.4097, 11.7969 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(187, 219, 44)` looks like.

```
.text, #text, p{  
    color:rgb(187, 219, 44)  
}
```

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(187, 219, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 219, 44) }
```

Border

The CSS property to change the border of an element to XYZ 46.2797, 61.4097, 11.7969 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(187, 219, 44) }
```


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

```
.border{ border-color:rgb(187, 219, 44) }
```

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

Here you see how a box with a 4 pixel rgb(187, 219, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 219, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 219, 44);  
box-shadow:4px 4px 4px 4px rgb(187, 219,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2797, 61.4097, 11.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 219, 44) }
```

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

```
.background{ background-color: rgb(187,  
219, 44) }
```

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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