

Converting Colors

XYZ(44.7780, 59.8225, 9.1869)

Have a look what the booklet for
XYZ(44.7780, 59.8225, 9.1869)
contains.

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Color

**XYZ(44.8204, 59.9400,
9.2073)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D900
RGB	185, 217, 0
RGB Percent	73%, 85%, 0%
CMY	0.2745, 0.1490, 0.9999
CMYK	0.15, 0.00, 1.00, 0.15
HSL	69°, 100%, 43%
HSV	69°, 100%, 85%
XYZ	44.8204, 59.9400, 9.2073
YIQ	182.6940, 50.5850, -74.2710

Conversions

Conversions Part 2

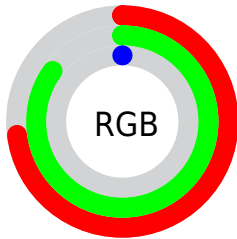
Format	Color
RYB	0, 217, 32
Decimal	12179712
CIELab	81.81, -32.40, 80.85
CIELCh	82, 87.095, 111.837
Yxy	59.9400, 0.3933, 0.5259
Android (android.graphics.Color)	4290369792 (0xFFB9D900)
YUV	182.6940, -90.0681, 2.0224
Hunter-Lab	77.4209, -32.1497, 47.1436

Details

The XYZ color **44.8204, 59.9400, 9.2073** 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 **13.1221, 5.3183, 65.9842**, and the grayscale version is **45.3036, 47.6629, 51.9049**.

A 20% lighter version of the original color is **75.1365, 91.6206, 22.7413**, and **21.6727, 30.3527, 4.7164** is the 20% darker color. If you saturate the color by 10%, you get **44.8206, 59.9422, 9.2077**, and if you desaturate by 10%, it is **45.7448, 60.4022, 9.9932**.

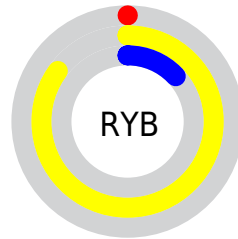
Distribution



Red (73%)

Green (85%)

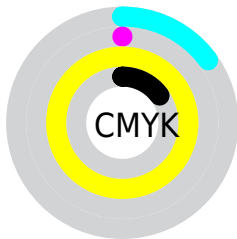
Blue (0%)



Red (0%)

Yellow (85%)

Blue (13%)

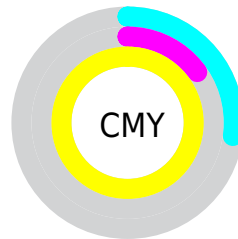


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (27%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8204, 59.9400, 9.2073 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 44.8204, 59.9400, 9.2073 by changing the saturation by 10% instead.


 44.8204, 59.9400,
9.2073

 44.8204, 59.9400,
9.2073


356.8416,
424.3766, 195.1916


 31.5167, 43.3703,
4.7780


 81.6896, 104.7426,
24.8775

 21.1463, 30.1757,
2.0611


 105.9857,
133.7443, 36.9555


 13.3441, 19.9720,
0.5925


 134.6767,
167.6588, 52.4201

 7.7445, 12.3747,
0.0000

 168.1278,
206.8704, 71.6899

 3.9823, 6.9994,
0.0000

 206.7046,
251.7636, 95.1834

 1.6922, 3.4617,
0.0000

 250.7722,

 0.4514, 1.3773,

302.7228, 123.3191

0.0000

300.6961,
360.1323, 156.5157

■ 0.0000, 0.1999,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.8204, 59.9400,
9.2073

■ 44.8204, 59.9400,
9.2073

■ 44.8206, 59.9422,
9.2077

■ 45.7448, 60.4022,
9.9932

■ 46.8451, 60.9345,
11.6195

■ 48.1752, 61.5608,
14.3641

■ 49.7645, 62.2929,
18.3814

■ 51.6379, 63.1406,
23.8017

■ 53.8172, 64.1128,
30.7391

■ 56.3220, 65.2173,
39.2962

■ 59.1701, 66.4611,
49.5665

■ 62.3780, 67.8510,
61.6362

Harmonies

Analogous

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



62.1330, 59.9400, 7.6196



44.8204, 59.9400, 9.2073



33.4741, 59.9400, 20.5998

Triad

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



44.8204, 59.9400, 9.2073



37.8201, 59.9400, 181.4333



99.5580, 59.9400, 80.7010

Complementary

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



44.8204, 59.9400, 9.2073



13.1221, 5.3183, 65.9842

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.



89.4876, 59.9400, 149.8107



44.8204, 59.9400, 9.2073



52.1034, 59.9400, 225.2615

Square

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



44.8204, 59.9400, 9.2073



30.0789, 59.9400, 110.5694



71.1406, 59.9400, 211.3264



96.4343, 59.9400, 34.4128

Rectangle

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



44.8204, 59.9400, 9.2073



29.5758, 59.9400, 38.5451



71.1406, 59.9400, 211.3264



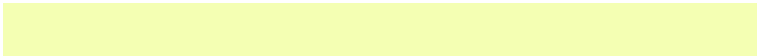
97.5384, 59.9400, 102.1336

Sweetspot

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



44.8218, 59.9427, 9.2086



81.0558, 93.9367, 56.2427



29.0554, 15.6293, 1.4862



17.0092, 19.9568, 10.8586



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.



44.8218, 59.9427, 9.2086



64.4898, 86.3308, 13.2645



28.0878, 51.3161, 8.4254



13.9636, 15.1615, 13.9161



27.2009, 36.3201, 5.5768



1.8147, 2.3800, 0.3638

Inverse Universe

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



13.1221, 5.3183, 65.9842



18.8352, 7.6248, 95.0867



22.9154, 10.3669, 66.4426



12.5166, 12.7089, 16.4455



7.9969, 3.2467, 39.9436



0.5759, 0.2402, 2.5904

Previews

White Background



This preview shows how the XYZ color 44.8204, 59.9400, 9.2073 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 44.8204, 59.9400, 9.2073 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 44.8204, 59.9400, 9.2073

Background



This preview shows how black text looks on a background with the XYZ color 44.8204, 59.9400, 9.2073.



This preview shows how white text looks on a background with the XYZ color 44.8204, 59.9400,

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

44.8204, 59.9400, 9.2073

Protanopia

53.6690, 59.3699, 8.6309

Deuteranopia

60.8435, 59.6133, 11.0960



Tritanopia

58.1325, 59.8596, 74.8198

Trichromacy



Original Color

44.8204, 59.9400, 9.2073

Protanomaly

49.9964, 59.2579, 8.8028

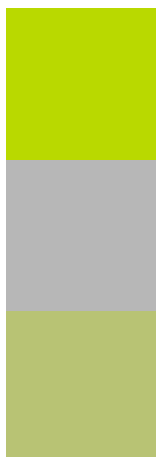
Deuteranomaly

54.0010, 59.1630, 9.8698

Tritanomaly

49.7380, 58.2255, 33.0433

Monochromacy



Original Color

44.8204, 59.9400, 9.2073

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.4347, 50.4815, 24.0304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8204, 59.9400, 9.2073 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, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 217, 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(185, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.8204, 59.9400, 9.2073 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, 217, 0) }
```


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

```
.border{ border-color:rgb(185, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(185, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 217,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8204, 59.9400, 9.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 217, 0) }
```

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

```
.background{ background-color: rgb(185,  
217, 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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