

Converting Colors

XYZ(29.8002, 52.1012, 8.4859)

Have a look what the booklet for
XYZ(29.8002, 52.1012, 8.4859)
contains.

XYZ(29.8499, 52.2224, 8.5067)	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(29.8499, 52.2224,
8.5067)**

Conversions

Conversions Part 1

Format	Color
Hex	62D900
RGB	98, 217, 0
RGB Percent	38%, 85%, 0%
CMY	0.6157, 0.1490, 0.9999
CMYK	0.55, 0.00, 1.00, 0.15
HSL	93°, 100%, 43%
HSV	93°, 100%, 85%
XYZ	29.8499, 52.2224, 8.5067
YIQ	156.6810, -1.2670, -92.7150

Conversions

Conversions Part 2

Format	Color
RYB	0, 217, 119
Decimal	6478080
CIELab	77.41, -62.78, 75.56
CIELCh	77, 98.237, 129.723
Yxy	52.2224, 0.3295, 0.5765
Android (android.graphics.Color)	4284668160 (0xFF62D900)
YUV	156.6810, -77.2437, -51.4632
Hunter-Lab	72.2651, -52.7324, 43.6062

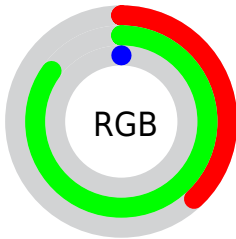
Details

The XYZ color **29.8499, 52.2224, 8.5067** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **20.1374, 8.9348, 66.3118**, and the grayscale version is **32.2436, 33.9228, 36.9420**.

A 20% lighter version of the original color is **51.8969, 79.6495, 21.2330**, and **12.8829, 25.5609, 4.2547** is the 20% darker color. If you saturate the color by 10%, you get **29.8493, 52.2237, 8.5070**, and if you desaturate by 10%, it is **31.3744, 52.9935, 9.3206**.

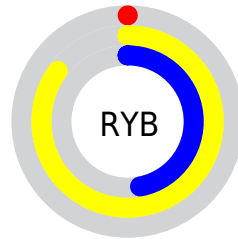
Distribution



Red (38%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (47%)

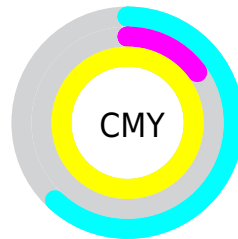


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (62%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8499, 52.2224, 8.5067 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 29.8499, 52.2224, 8.5067 by changing the saturation by 10% instead.


 29.8499, 52.2224,
8.5067


 29.8499, 52.2224,
8.5067


293.1266,
395.2946, 189.7346

 19.8722, 37.1824,
4.3285


 58.8130, 93.4591,
23.5083

 12.4099, 25.3487,
1.8072


 78.5291, 120.4247,
35.1688

 7.0977, 16.3371,
0.4327

 102.2220,
152.1341, 50.1604

 3.5701, 9.7630,
0.0000

 130.2571,
188.9720, 68.9017

 1.4619, 5.2421,
0.0000

 162.9998,
231.3225, 91.8112

 0.2997, 2.3900,
0.0000

 200.8153,

 0.0000, 0.8207,

279.5702, 119.3075

0.0000

244.0691,
334.0994, 151.8091

■ 0.0000, 0.0000,
0.0000

■ 29.8499, 52.2224,
8.5067

■ 29.8499, 52.2224,
8.5067

■ 29.8493, 52.2237,
8.5070

■ 31.3744, 52.9935,
9.3206

■ 33.2562, 53.9288,
10.9835

■ 35.5565, 55.0552,
13.7734

■ 38.3118, 56.3884,
17.8452

■ 41.5533, 57.9414,
23.3295

■ 45.3094, 59.7264,
30.3406

■ 49.6055, 61.7544,
38.9815

■ 54.4654, 64.0354,
49.3457

■ 59.9112, 66.5789,
61.5201

Harmonies

Analogous

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



43.7495, 52.2224, 3.6068



29.8499, 52.2224, 8.5067



22.7612, 52.2224, 27.8879

Triad

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



29.8499, 52.2224, 8.5067



38.0798, 52.2224, 220.9526



94.7457, 52.2224, 41.0371

Complementary

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



29.8499, 52.2224, 8.5067



20.1374, 8.9348, 66.3118

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.



92.1091, 52.2224, 101.0791



29.8499, 52.2224, 8.5067



56.0278, 52.2224, 233.4232

Square

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



29.8499, 52.2224, 8.5067



26.6082, 52.2224, 152.6436



76.6621, 52.2224, 180.3038



83.1508, 52.2224, 12.9188

Rectangle

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



29.8499, 52.2224, 8.5067



21.4487, 52.2224, 56.3599



76.6621, 52.2224, 180.3038



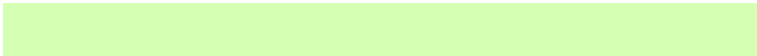
95.5504, 52.2224, 57.3657

Sweetspot

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



29.8511, 52.2246, 8.5079



71.2990, 88.9069, 55.7861



34.8331, 27.1853, 3.4122



14.6784, 18.7552, 10.7495



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.



29.8511, 52.2246, 8.5079



42.8488, 75.1744, 12.2517



24.8541, 49.6440, 8.4808



13.4421, 14.8926, 13.8917



18.1866, 31.6730, 5.1550



1.2766, 2.1026, 0.3386

Inverse Universe

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



20.1374, 8.9348, 66.3118



28.8415, 12.7832, 95.5550



40.2213, 19.3947, 62.4474



13.0179, 12.9673, 16.4690



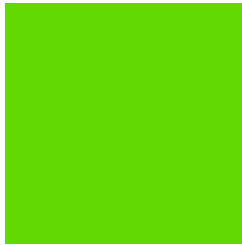
12.3117, 5.4711, 40.1455



0.8964, 0.4054, 2.6054

Previews

White Background



This preview shows how the XYZ color 29.8499, 52.2224, 8.5067 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 29.8499, 52.2224, 8.5067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

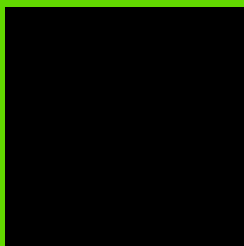
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8499, 52.2224, 8.5067

Background



This preview shows how black text looks on a background with the XYZ color 29.8499, 52.2224, 8.5067.



This preview shows how white text looks on a background with the XYZ color 29.8499, 52.2224,

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

29.8499, 52.2224, 8.5067

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.3915, 51.1827, 9.6005



Tritanopia

42.9813, 52.0488, 74.1107

Trichromacy



Original Color

29.8499, 52.2224, 8.5067



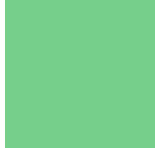
Protanomaly

37.6675, 50.0792, 7.6810



Deuteranomaly

40.0308, 48.9200, 8.4951



Tritanomaly

34.4442, 50.3413, 32.3275

Monochromacy



Original Color

29.8499, 52.2224, 8.5067



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.5737, 38.3945, 17.9615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8499, 52.2224, 8.5067 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(98, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8499, 52.2224, 8.5067 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(98, 217, 0) }
```


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

```
.border{ border-color:rgb(98, 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(98, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 217, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8499, 52.2224, 8.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 217, 0) }
```

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

```
.background{ background-color: rgb(98, 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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