

Converting Colors

XYZ(29.5240, 50.9920, 8.2864)

Have a look what the booklet for
XYZ(29.5240, 50.9920, 8.2864)
contains.

XYZ(29.5261, 50.9179, 8.2720)	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(29.5261, 50.9179,
8.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	66D600
RGB	102, 214, 0
RGB Percent	40%, 84%, 0%
CMY	0.6000, 0.1608, 0.9999
CMYK	0.52, 0.00, 1.00, 0.16
HSL	91°, 100%, 42%
HSV	91°, 100%, 84%
XYZ	29.5261, 50.9179, 8.2720
YIQ	156.1160, 1.9420, -90.2980

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 112
Decimal	6739456
CIELab	76.63, -60.63, 75.00
CIELCh	77, 96.444, 128.954
Yxy	50.9179, 0.3328, 0.5739
Android (android.graphics.Color)	4284929536 (0xFF66D600)
YUV	156.1160, -76.9652, -47.4597
Hunter-Lab	71.3568, -51.0144, 43.0766

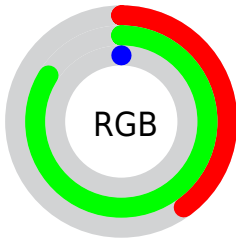
Details

The XYZ color **29.5261, 50.9179, 8.2720** 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 **18.8246, 8.3027, 64.2315**, and the grayscale version is **31.9870, 33.6528, 36.6479**.

A 20% lighter version of the original color is **52.4645, 79.9466, 21.0536**, and **12.6529, 24.6733, 4.0956** is the 20% darker color. If you saturate the color by 10%, you get **29.5254, 50.9192, 8.2722**, and if you desaturate by 10%, it is **31.0231, 51.6751, 9.0697**.

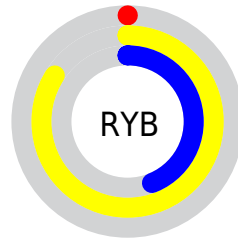
Distribution



Red (40%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (44%)

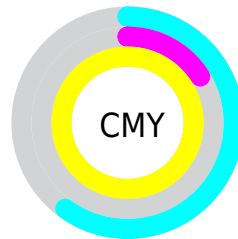


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (60%)

Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5261, 50.9179, 8.2720 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 29.5261, 50.9179, 8.2720 by changing the saturation by 10% instead.

■ 29.5261, 50.9179,
8.2720

■ 29.5261, 50.9179,
8.2720

291.6388,
390.2447, 187.8637

■ 19.6254, 36.1433,
4.1792

■ 58.3037, 91.5334,
23.0449

■ 12.2297, 24.5449,
1.7242

■ 77.9114, 118.1431,
34.5621

■ 6.9737, 15.7383,
0.3772

■ 101.4854,
149.4665, 49.3911

■ 3.4918, 9.3392,
0.0000

■ 129.3912,
185.8882, 67.9506

■ 1.4189, 4.9631,
0.0000

■ 161.9941,
227.7925, 90.6591

■ 0.2696, 2.2256,
0.0000

■ 199.6594,

■ 0.0000, 0.7339,

275.5637, 117.9351

0.0000

242.7525,
329.5863, 150.1971

■ 0.0000, 0.0000,
0.0000

■ 29.5261, 50.9179,
8.2720

■ 29.5261, 50.9179,
8.2720

■ 29.5254, 50.9192,
8.2722

■ 31.0231, 51.6751,
9.0697

■ 32.8512, 52.5836,
10.6873

■ 35.0690, 53.6693,
13.3957

■ 37.7106, 54.9464,
17.3443

■ 40.8055, 56.4275,
22.6592

■ 44.3799, 58.1235,
29.4509

■ 48.4578, 60.0448,
37.8187

■ 53.0613, 62.2006,
47.8532

■ 58.2110, 64.5999,
59.6381

Harmonies

Analogous

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



43.1402, 50.9179, 3.6415



29.5261, 50.9179, 8.2720



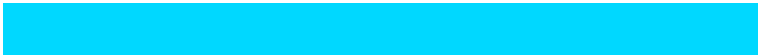
22.4892, 50.9179, 26.6279

Triad

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



29.5261, 50.9179, 8.2720



36.8623, 50.9179, 211.9376



91.9630, 50.9179, 41.2318

Complementary

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



29.5261, 50.9179, 8.2720



18.8246, 8.3027, 64.2315

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.



89.0605, 50.9179, 99.8987



29.5261, 50.9179, 8.2720



54.0621, 50.9179, 225.6100

Square

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



29.5261, 50.9179, 8.2720



25.9254, 50.9179, 145.5947



73.9626, 50.9179, 175.9702



81.1126, 50.9179, 13.2349

Rectangle

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



29.5261, 50.9179, 8.2720



21.1180, 50.9179, 53.6273



73.9626, 50.9179, 175.9702



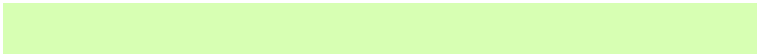
92.6112, 50.9179, 57.2950

Sweetspot

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



29.5273, 50.9201, 8.2731



71.8578, 89.1950, 55.8122



33.3719, 25.5748, 3.1783



14.8100, 18.8230, 10.7557



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.



29.5273, 50.9201, 8.2731



43.7186, 75.6228, 12.2925



24.0677, 48.1033, 8.1196



12.8198, 14.1833, 13.2227



17.9640, 30.8371, 5.0054



1.1787, 1.9090, 0.3064

Inverse Universe

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



18.8246, 8.3027, 64.2315



27.7985, 12.2455, 95.5062



39.4206, 18.9724, 62.8435



12.3567, 12.3253, 15.6653



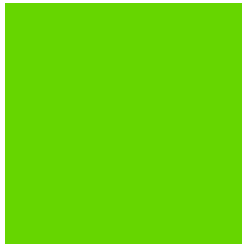
11.4976, 5.0797, 38.8277



0.7888, 0.3555, 2.3464

Previews

White Background



This preview shows how the XYZ color 29.5261, 50.9179, 8.2720 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 29.5261, 50.9179, 8.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

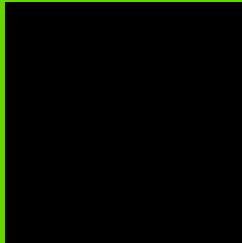
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5261, 50.9179, 8.2720

Background



This preview shows how black text looks on a background with the XYZ color 29.5261, 50.9179, 8.2720.



This preview shows how white text looks on a background with the XYZ color 29.5261, 50.9179,

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

29.5261, 50.9179, 8.2720

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

50.9671, 49.8555, 9.3197



Tritanopia

42.2049, 50.6587, 71.8436

Trichromacy



Original Color

29.5261, 50.9179, 8.2720



Protanomaly

36.9795, 48.7032, 7.4516



Deuteranomaly

39.3339, 47.9102, 8.2731



Tritanomaly

33.9934, 49.0568, 31.3442

Monochromacy



Original Color

29.5261, 50.9179, 8.2720



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1276, 37.5794, 17.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5261, 50.9179, 8.2720 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(102, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 214, 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(102, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.5261, 50.9179, 8.2720 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(102, 214, 0) }
```


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

```
.border{ border-color:rgb(102, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(102, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5261, 50.9179, 8.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 214, 0) }
```

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

```
.background{ background-color: rgb(102,  
214, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor