

Converting Colors

XYZ(28.0200, 51.1835, 8.4026)

Have a look what the booklet for
XYZ(28.0200, 51.1835, 8.4026)
contains.

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Color

**XYZ(28.1211, 51.3312,
8.4258)**

Conversions

Conversions Part 1

Format	Color
Hex	50D900
RGB	80, 217, 0
RGB Percent	31%, 85%, 0%
CMY	0.6863, 0.1490, 0.9999
CMYK	0.63, 0.00, 1.00, 0.15
HSL	98°, 100%, 43%
HSV	98°, 100%, 85%
XYZ	28.1211, 51.3312, 8.4258
YIQ	151.2990, -11.9950, -96.5310

Conversions

Conversions Part 2

Format	Color
RYB	0, 217, 137
Decimal	5298432
CIELab	76.88, -67.17, 74.91
CIELCh	77, 100.614, 131.882
Yxy	51.3312, 0.3200, 0.5841
Android (android.graphics.Color)	4283488512 (0xFF50D900)
YUV	151.2990, -74.5904, -62.5292
Hunter-Lab	71.6458, -55.3186, 43.1793

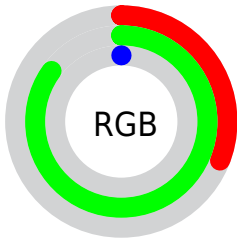
Details

The XYZ color **28.1211, 51.3312, 8.4258** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **22.8472, 10.3317, 66.4385**, and the grayscale version is **29.8599, 31.4149, 34.2108**.

A 20% lighter version of the original color is **49.0767, 78.1956, 21.1010**, and **12.7449, 25.4897, 4.2483** is the 20% darker color. If you saturate the color by 10%, you get **28.1206, 51.3325, 8.4261**, and if you desaturate by 10%, it is **29.5417, 52.0487, 9.2348**.

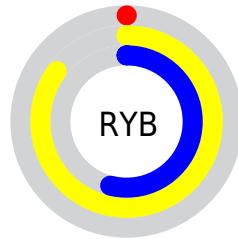
Distribution



Red (31%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (54%)

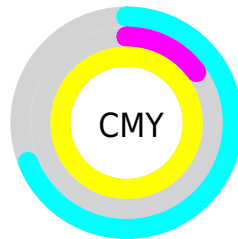


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (69%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1211, 51.3312, 8.4258 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 28.1211, 51.3312, 8.4258 by changing the saturation by 10% instead.


 28.1211, 51.3312,
8.4258


 28.1211, 51.3312,
8.4258


285.1147,
391.8492, 189.0922


 18.5579, 36.4723,
4.2769


 56.0850, 92.1442,
23.3488


 11.4534, 24.7992,
1.7785


 75.2164, 118.8670,
34.9601

 6.4422, 15.9275,
0.4137


 98.2680, 150.3132,
49.8959

 3.1590, 9.4728,
0.0000

 125.6050,
186.8672, 68.5749

 1.2384, 5.0509,
0.0000

 157.5928,
228.9134, 91.4154

 0.1363, 2.2771,
0.0000

 194.5968,

 0.0000, 0.7616,

276.8362, 118.8361

0.0000

236.9823,
331.0200, 151.2555

■ 0.0000, 0.0000,
0.0000

■ 28.1211, 51.3312,
8.4258

■ 28.1211, 51.3312,
8.4258

■ 28.1206, 51.3325,
8.4261

■ 29.5417, 52.0487,
9.2348

■ 31.3700, 52.9563,
10.8952

■ 33.6718, 54.0836,
13.6852

■ 36.4881, 55.4482,
17.7598

■ 39.8543, 57.0655,
23.2499

■ 43.8023, 58.9495,
30.2701

■ 48.3611, 61.1128,
38.9232

■ 53.5578, 63.5674,
49.3032

■ 59.4176, 66.3245,
61.4969

Harmonies

Analogous

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



41.6000, 51.3312, 3.1936



28.1211, 51.3312, 8.4258



21.5137, 51.3312, 29.1144

Triad

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



28.1211, 51.3312, 8.4258



38.2204, 51.3312, 227.7073



94.3639, 51.3312, 36.8848

Complementary

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



28.1211, 51.3312, 8.4258



22.8472, 10.3317, 66.4385

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.



92.7653, 51.3312, 95.4694



28.1211, 51.3312, 8.4258



56.7614, 51.3312, 235.3574

Square

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



28.1211, 51.3312, 8.4258



26.2066, 51.3312, 159.8471



77.6970, 51.3312, 176.7363



81.6198, 51.3312, 10.9359

Rectangle

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



28.1211, 51.3312, 8.4258



20.4854, 51.3312, 59.4229



77.6970, 51.3312, 176.7363



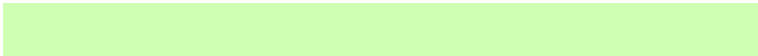
95.5617, 51.3312, 52.5018

Sweetspot

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



28.1223, 51.3334, 8.4269



69.4934, 87.9761, 55.7016



37.1183, 31.7557, 4.1739



14.2549, 18.5369, 10.7297



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.



28.1223, 51.3334, 8.4269



40.3746, 73.8989, 12.1360



24.9935, 49.6997, 9.2149



13.3375, 14.8387, 13.8868



17.1289, 31.1278, 5.1055



1.2028, 2.0646, 0.3351

Inverse Universe

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



22.8472, 10.3317, 66.4385



32.7508, 14.7986, 95.7380



38.0970, 18.5450, 51.2611



13.1250, 13.0225, 16.4740



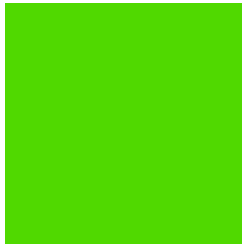
13.9487, 6.3150, 40.2221



0.9974, 0.4574, 2.6102

Previews

White Background



This preview shows how the XYZ color 28.1211, 51.3312, 8.4258 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 28.1211, 51.3312, 8.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

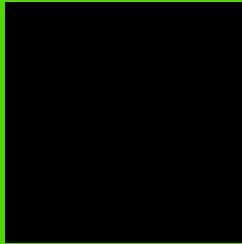
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.1211, 51.3312, 8.4258

Background



This preview shows how black text looks on a background with the XYZ color 28.1211, 51.3312, 8.4258.



This preview shows how white text looks on a background with the XYZ color 28.1211, 51.3312,

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

28.1211, 51.3312, 8.4258

Protanopia

45.3490, 50.3922, 7.3365

Deuteranopia

51.5383, 50.4420, 9.6047



Tritanopia

41.2466, 51.1546, 74.0296

Trichromacy



Original Color

28.1211, 51.3312, 8.4258



Protanomaly

35.7333, 48.7394, 7.5243



Deuteranomaly

38.1141, 47.9319, 8.4054



Tritanomaly

32.6819, 49.4328, 32.2451

Monochromacy



Original Color

28.1211, 51.3312, 8.4258



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.8987, 35.8644, 16.6239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1211, 51.3312, 8.4258 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(80, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1211, 51.3312, 8.4258 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(80, 217, 0) }
```


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

```
.border{ border-color:rgb(80, 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(80, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 217, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1211, 51.3312, 8.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 217, 0) }
```

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

```
.background{ background-color: rgb(80, 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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