

Converting Colors

XYZ(27.1717, 48.8277, 7.9926)

Have a look what the booklet for
XYZ(27.1717, 48.8277, 7.9926)
contains.

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Color

**XYZ(27.2898, 49.0183,
8.0232)**

Conversions

Conversions Part 1

Format	Color
Hex	55D400
RGB	85, 212, 0
RGB Percent	33%, 83%, 0%
CMY	0.6667, 0.1686, 0.9999
CMYK	0.60, 0.00, 1.00, 0.17
HSL	96°, 100%, 42%
HSV	96°, 100%, 83%
XYZ	27.2898, 49.0183, 8.0232
YIQ	149.8590, -7.6400, -92.8560

Conversions

Conversions Part 2

Format	Color
RYB	0, 212, 127
Decimal	5624832
CIELab	75.46, -64.38, 73.85
CIELCh	75, 97.970, 131.082
Yxy	49.0183, 0.3236, 0.5813
Android (android.graphics.Color)	4283814912 (0xFF55D400)
YUV	149.8590, -73.8805, -56.8813
Hunter-Lab	70.0131, -52.9469, 42.2148

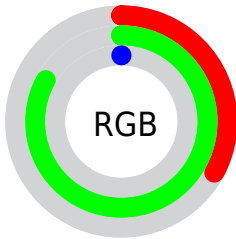
Details

The XYZ color **27.2898, 49.0183, 8.0232** 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 **20.6417, 9.2688, 62.9912**, and the grayscale version is **29.2379, 30.7606, 33.4983**.

A 20% lighter version of the original color is **49.7547, 78.5497, 20.9268**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **27.2893, 49.0196, 8.0234**, and if you desaturate by 10%, it is **28.6869, 49.7241, 8.8064**.

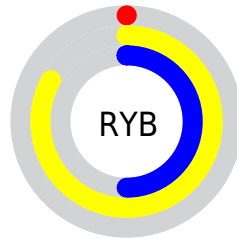
Distribution



Red (33%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (50%)

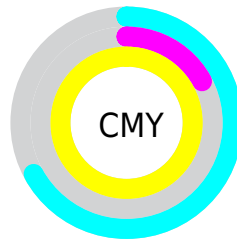


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (67%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2898, 49.0183, 8.0232 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 27.2898, 49.0183, 8.0232 by changing the saturation by 10% instead.


 27.2898, 49.0183,
8.0232


 27.2898, 49.0183,
8.0232


281.1996,
382.8144, 185.8553


 17.9287, 34.6340,
4.0218


 54.7652, 88.7186,
22.5508


 10.9982, 23.3811,
1.6373


 73.6101, 114.8035,
33.9142

 6.1329, 14.8751,
0.3172


 96.3471, 145.5572,
48.5685

 2.9675, 8.7318,
0.0000

 123.3415,
181.3644, 66.9325

 1.1366, 4.5667,
0.0000

 154.9585,
222.6093, 89.4247

 0.0554, 1.9953,
0.0000

 191.5637,

 0.0000, 0.6048,

269.6763, 116.4635

0.0000

233.5222,
322.9499, 148.4675

■ 0.0000, 0.0000,
0.0000

■ 27.2898, 49.0183,
8.0232

■ 27.2898, 49.0183,
8.0232

■ 27.2893, 49.0196,
8.0234

■ 28.6869, 49.7241,
8.8064

■ 30.4509, 50.6003,
10.3928

■ 32.6429, 51.6738,
13.0488

■ 35.2996, 52.9604,
16.9207

■ 38.4528, 54.4738,
22.1315

■ 42.1310, 56.2265,
28.7896

■ 46.3604, 58.2296,
36.9919

■ 51.1651, 60.4938,
46.8271

■ 56.5677, 63.0289,
58.3772

Harmonies

Analogous

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



40.2277, 49.0183, 3.1738



27.2898, 49.0183, 8.0232



20.8516, 49.0183, 27.1815

Triad

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



27.2898, 49.0183, 8.0232



36.2123, 49.0183, 213.6137



89.6651, 49.0183, 36.4441

Complementary

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



27.2898, 49.0183, 8.0232



20.6417, 9.2688, 62.9912

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.



87.7778, 49.0183, 92.5556



27.2898, 49.0183, 8.0232



53.5909, 49.0183, 222.6056

Square

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



27.2898, 49.0183, 8.0232



25.0071, 49.0183, 149.0617



73.3459, 49.0183, 168.9476



77.9821, 49.0183, 11.0589

Rectangle

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



27.2898, 49.0183, 8.0232



19.7766, 49.0183, 55.2737



73.3459, 49.0183, 168.9476



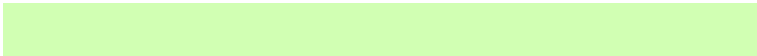
90.6613, 49.0183, 51.5156

Sweetspot

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



27.2909, 49.0204, 8.0243



70.1875, 88.3339, 55.7341



34.3204, 28.3331, 3.6607



14.4174, 18.6206, 10.7373



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.



27.2909, 49.0204, 8.0243



41.2642, 74.3575, 12.1776



23.6515, 47.1319, 8.4100



12.7289, 14.1364, 13.2184



16.9525, 30.3157, 4.9580



1.1146, 1.8760, 0.3034

Inverse Universe

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



20.6417, 9.2688, 62.9912



31.1457, 13.9711, 95.6629



36.9287, 17.9086, 52.7494



12.4490, 12.3729, 15.6696



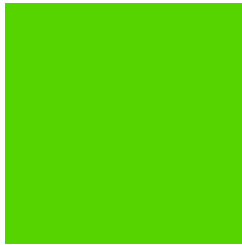
12.8572, 5.7806, 38.8913



0.8678, 0.3963, 2.3501

Previews

White Background



This preview shows how the XYZ color 27.2898, 49.0183, 8.0232 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 27.2898, 49.0183, 8.0232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

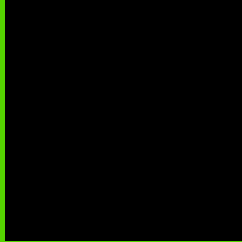
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2898, 49.0183, 8.0232

Background



This preview shows how black text looks on a background with the XYZ color 27.2898, 49.0183, 8.0232.



This preview shows how white text looks on a background with the XYZ color 27.2898, 49.0183,

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

27.2898, 49.0183, 8.0232

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

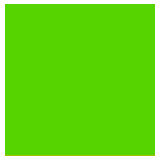
49.0633, 47.9976, 9.0614



Tritanopia

39.5842, 48.6585, 70.2565

Trichromacy



Original Color

27.2898, 49.0183, 8.0232



Protanomaly

34.6194, 46.8167, 7.2119



Deuteranomaly

36.7832, 45.6340, 7.9682



Tritanomaly

31.6279, 47.1444, 30.7254

Monochromacy



Original Color

27.2898, 49.0183, 8.0232



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.6133, 35.1490, 16.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2898, 49.0183, 8.0232 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(85, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 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(85, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.2898, 49.0183, 8.0232 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(85, 212, 0) }
```


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

```
.border{ border-color:rgb(85, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(85, 212, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.2898, 49.0183, 8.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 0) }
```

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

```
.background{ background-color: rgb(85, 212,  
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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