

Converting Colors

XYZ(27.2857, 49.8395, 8.1824)

Have a look what the booklet for
XYZ(27.2857, 49.8395, 8.1824)
contains.

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Color

**XYZ(27.2710, 49.7554,
8.1664)**

Conversions

Conversions Part 1

Format	Color
Hex	4FD600
RGB	79, 214, 0
RGB Percent	31%, 84%, 0%
CMY	0.6902, 0.1608, 0.9999
CMYK	0.63, 0.00, 1.00, 0.16
HSL	98°, 100%, 42%
HSV	98°, 100%, 84%
XYZ	27.2710, 49.7554, 8.1664
YIQ	149.2390, -11.7660, -95.1740

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 135
Decimal	5232128
CIELab	75.92, -66.42, 74.14
CIELCh	76, 99.540, 131.858
Yxy	49.7554, 0.3201, 0.5840
Android (android.graphics.Color)	4283422208 (0xFF4FD600)
YUV	149.2390, -73.5748, -61.5996
Hunter-Lab	70.5375, -54.4295, 42.5120

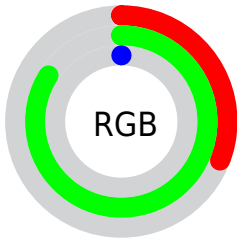
Details

The XYZ color **27.2710, 49.7554, 8.1664** 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 **22.1349, 10.0092, 64.3864**, and the grayscale version is **28.9742, 30.4831, 33.1961**.

A 20% lighter version of the original color is **48.8618, 78.0894, 20.8850**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **27.2707, 49.7568, 8.1667**, and if you desaturate by 10%, it is **28.6509, 50.4522, 8.9585**.

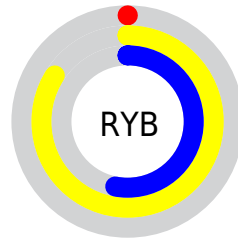
Distribution



Red (31%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (53%)

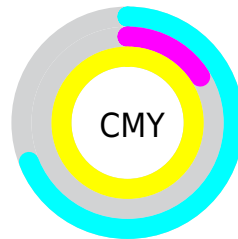


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (69%)

Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2710, 49.7554, 8.1664 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 27.2710, 49.7554, 8.1664 by changing the saturation by 10% instead.

■ 27.2710, 49.7554,
8.1664

■ 27.2710, 49.7554,
8.1664

281.1105,
385.7086, 187.0145

■ 17.9145, 35.2191,
4.1123

■ 54.7353, 89.8124,
22.8355

■ 10.9879, 23.8317,
1.6872

■ 73.5737, 116.1018,
34.2877

■ 6.1260, 15.2088,
0.3519

■ 96.3035, 147.0777,
49.0429

■ 2.9632, 8.9661,
0.0000

■ 123.2901,
183.1245, 67.5198

■ 1.1343, 4.7191,
0.0000

■ 154.8987,
224.6267, 90.1368

■ 0.0536, 2.0834,
0.0000

■ 191.4947,

■ 0.0000, 0.6553,

271.9684, 117.3126

0.0000

233.4436,
325.5343, 149.4656

■ 0.0000, 0.0000,
0.0000

■ 27.2710, 49.7554,
8.1664

■ 27.2710, 49.7554,
8.1664

■ 27.2707, 49.7568,
8.1667

■ 28.6509, 50.4522,
8.9585

■ 30.4248, 51.3327,
10.5735

■ 32.6568, 52.4258,
13.2824

■ 35.3864, 53.7483,
17.2350

■ 38.6478, 55.3152,
22.5575

■ 42.4717, 57.1398,
29.3607

■ 46.8863, 59.2346,
37.7441

■ 51.9176, 61.6110,
47.7983

■ 57.5900, 64.2798,
59.6075

Harmonies

Analogous

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



40.3381, 49.7554, 3.0992



27.2710, 49.7554, 8.1664



20.8625, 49.7554, 28.2015

Triad

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



27.2710, 49.7554, 8.1664



37.0383, 49.7554, 220.5999



91.4535, 49.7554, 35.7893

Complementary

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



27.2710, 49.7554, 8.1664



22.1349, 10.0092, 64.3864

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.



89.8930, 49.7554, 92.5807



27.2710, 49.7554, 8.1664



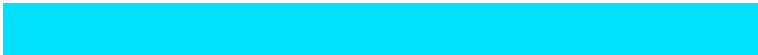
55.0002, 49.7554, 228.0671

Square

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



27.2710, 49.7554, 8.1664



25.4015, 49.7554, 154.8302



75.2859, 49.7554, 171.3164



79.1155, 49.7554, 10.6185

Rectangle

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



27.2710, 49.7554, 8.1664



19.8630, 49.7554, 57.5534



75.2859, 49.7554, 171.3164



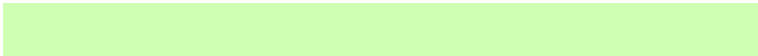
92.6100, 49.7554, 50.9318

Sweetspot

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



27.2721, 49.7575, 8.1675



69.5041, 87.9816, 55.7021



35.9813, 30.7937, 4.0481



14.2574, 18.5382, 10.7299



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.



27.2721, 49.7575, 8.1675



40.3878, 73.9057, 12.1366



24.2233, 48.1655, 8.9393



12.6910, 14.1169, 13.2167



16.5881, 30.1278, 4.9410



1.0903, 1.8635, 0.3022

Inverse Universe

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



22.1349, 10.0092, 64.3864



32.7250, 14.7852, 95.7368



36.9227, 17.9732, 49.6900



12.4881, 12.3930, 15.6714



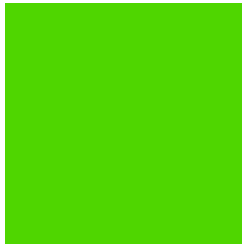
13.4957, 6.1098, 38.9212



0.9038, 0.4148, 2.3517

Previews

White Background



This preview shows how the XYZ color 27.2710, 49.7554, 8.1664 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 27.2710, 49.7554, 8.1664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

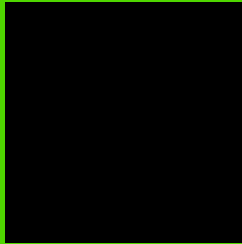
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2710, 49.7554, 8.1664

Background



This preview shows how black text looks on a background with the XYZ color 27.2710, 49.7554, 8.1664.



This preview shows how white text looks on a background with the XYZ color 27.2710, 49.7554,

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

27.2710, 49.7554, 8.1664

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.6033, 48.5638, 9.2420



Tritanopia

39.8916, 49.4661, 71.7354

Trichromacy



Original Color

27.2710, 49.7554, 8.1664



Protanomaly

34.6402, 47.1612, 7.2773



Deuteranomaly

36.7667, 46.2627, 8.1542



Tritanomaly

31.7017, 47.8754, 31.2369

Monochromacy



Original Color

27.2710, 49.7554, 8.1664



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.3213, 34.9984, 16.2473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2710, 49.7554, 8.1664 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(79, 214, 0)` looks like.

```
.text, #text, p{  
  color:rgb(79, 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(79, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.2710, 49.7554, 8.1664 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(79, 214, 0) }
```


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

```
.border{ border-color:rgb(79, 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(79, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 214, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.2710, 49.7554, 8.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 214, 0) }
```

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

```
.background{ background-color: rgb(79, 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](#).

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