

Converting Colors

XYZ(27.3163, 52.7995, 8.7516)

Have a look what the booklet for
XYZ(27.3163, 52.7995, 8.7516)
contains.

XYZ(27.3402, 52.8709, 8.7641)	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(27.3402, 52.8709,
8.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	30DE00
RGB	48, 222, 0
RGB Percent	19%, 87%, 0%
CMY	0.8118, 0.1294, 0.9999
CMYK	0.78, 0.00, 1.00, 0.13
HSL	107°, 100%, 44%
HSV	107°, 100%, 87%
XYZ	27.3402, 52.8709, 8.7641
YIQ	144.6660, -32.4420, -105.9300

Conversions

Conversions Part 2

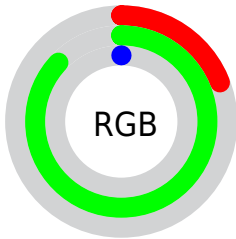
Format	Color
RYB	0, 222, 174
Decimal	3202560
CIELab	77.80, -74.25, 75.37
CIELCh	78, 105.797, 134.570
Yxy	52.8709, 0.3073, 0.5942
Android (android.graphics.Color)	4281392640 (0xFF30DE00)
YUV	144.6660, -71.3203, -84.7761
Hunter-Lab	72.7124, -60.1298, 43.7524

Details

The XYZ color **27.3402, 52.8709, 8.7641** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **30.6482, 14.2770, 70.2504**, and the grayscale version is **27.0701, 28.4799, 31.0146**.

A 20% lighter version of the original color is **45.8571, 76.5359, 20.9503**, and **13.4551, 26.9103, 4.4850** is the 20% darker color. If you saturate the color by 10%, you get **27.3402, 52.8725, 8.7644**, and if you desaturate by 10%, it is **28.4761, 53.4411, 9.5850**.

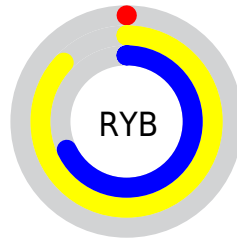
Distribution



Red (19%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (68%)

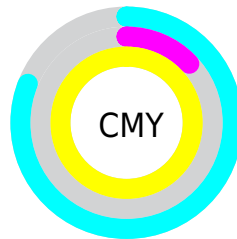


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (81%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3402, 52.8709, 8.7641 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 27.3402, 52.8709, 8.7641 by changing the saturation by 10% instead.

■ 27.3402, 52.8709,
8.7641

■ 27.3402, 52.8709,
8.7641

■ 281.4382,
397.7896, 191.7610

■ 17.9668, 37.6997,
4.4929

■ 54.8453, 94.4144,
24.0138

■ 11.0257, 25.7497,
1.8995

■ 73.7078, 121.5555,
35.8293

■ 6.1515, 16.6365,
0.4924

■ 96.4640, 153.4553,
50.9968

■ 2.9790, 9.9757,
0.0000

■ 123.4792,
190.4983, 69.9346

■ 1.1427, 5.3828,
0.0000

■ 155.1189,
233.0688, 93.0614

■ 0.0604, 2.4736,
0.0000

■ 191.7484,

■ 0.0000, 0.8634,

281.5513, 120.7957

0.0000

233.7330,
336.3301, 153.5561

■ 0.0000, 0.0000,
0.0000

■ 27.3402, 52.8709,
8.7641

■ 27.3402, 52.8709,
8.7641

■ 27.3402, 52.8725,
8.7644

■ 28.4761, 53.4411,
9.5850

■ 30.1352, 54.2599,
11.3102

■ 32.4029, 55.3667,
14.2310

■ 35.3368, 56.7874,
18.5123

■ 38.9870, 58.5450,
24.2930

■ 43.3987, 60.6601,
31.6949

■ 48.6132, 63.1515,
40.8275

■ 54.6687, 66.0368,
51.7904

■ 61.6009, 69.3325,
64.6760

Harmonies

Analogous

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



40.9671, 52.8709, 2.8421



27.3402, 52.8709, 8.7641



21.0104, 52.8709, 32.4366

Triad

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



27.3402, 52.8709, 8.7641



40.4702, 52.8709, 249.5897



98.9187, 52.8709, 33.5664

Complementary

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



27.3402, 52.8709, 8.7641



30.6482, 14.2770, 70.2504

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.



98.6783, 52.8709, 93.1620



27.3402, 52.8709, 8.7641



60.8439, 52.8709, 250.7580

Square

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



27.3402, 52.8709, 8.7641



27.0622, 52.8709, 178.8257



83.3322, 52.8709, 181.3897



83.9200, 52.8709, 9.1103

Rectangle

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



27.3402, 52.8709, 8.7641



20.2939, 52.8709, 67.0471



83.3322, 52.8709, 181.3897



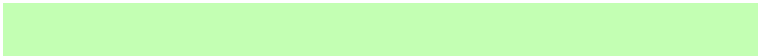
100.7253, 52.8709, 49.0263

Sweetspot

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



27.3414, 52.8731, 8.7653



66.3604, 86.3610, 55.5549



45.2441, 45.7673, 6.4501



13.5277, 18.1620, 10.6957



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.



27.3414, 52.8731, 8.7653



37.3416, 72.3353, 11.9940



27.0177, 52.6028, 13.4204



13.8043, 15.4793, 14.5670



16.3158, 31.4436, 5.2093



1.2066, 2.2185, 0.3646

Inverse Universe

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



30.6482, 14.2770, 70.2504



41.8401, 19.4843, 96.1634



36.3933, 18.0379, 34.4148



13.9900, 13.7784, 17.3098



18.3002, 8.5294, 41.7302



1.3414, 0.6288, 2.8959

Previews

White Background



This preview shows how the XYZ color 27.3402, 52.8709, 8.7641 looks on a white background.

Color Contrast Check

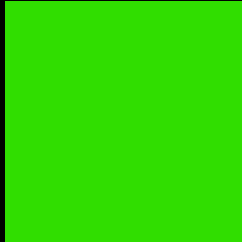
Large Text (above 18pt) WCAG AA × Fail

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 27.3402, 52.8709, 8.7641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

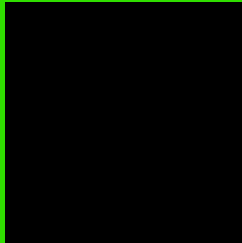
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.3402, 52.8709, 8.7641

Background



This preview shows how black text looks on a background with the XYZ color 27.3402, 52.8709, 8.7641.



This preview shows how white text looks on a background with the XYZ color 27.3402, 52.8709,

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

27.3402, 52.8709, 8.7641

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

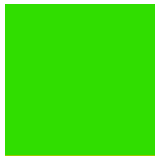
52.9926, 51.7864, 9.9991



Tritanopia

40.8701, 52.2951, 77.7519

Trichromacy



Original Color

27.3402, 52.8709, 8.7641



Protanomaly

34.4470, 49.1111, 7.6638



Deuteranomaly

36.5648, 48.1248, 8.6582



Tritanomaly

31.9056, 50.8338, 33.7215

Monochromacy



Original Color

27.3402, 52.8709, 8.7641



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.3057, 33.9748, 15.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3402, 52.8709, 8.7641 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(48, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 222, 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(48, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.3402, 52.8709, 8.7641 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(48, 222, 0) }
```


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

```
.border{ border-color:rgb(48, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(48, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 222, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.3402, 52.8709, 8.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 222, 0) }
```

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

```
.background{ background-color: rgb(48, 222,  
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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