

Converting Colors

XYZ(27.6814, 52.9877, 8.7687)

Have a look what the booklet for
XYZ(27.6814, 52.9877, 8.7687)
contains.

XYZ(27.6968, 53.0548, 8.7808)	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(27.6968, 53.0548,
8.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	37DE00
RGB	55, 222, 0
RGB Percent	22%, 87%, 0%
CMY	0.7843, 0.1294, 0.9999
CMYK	0.75, 0.00, 1.00, 0.13
HSL	105°, 100%, 44%
HSV	105°, 100%, 87%
XYZ	27.6968, 53.0548, 8.7808
YIQ	146.7590, -28.2700, -104.4460

Conversions

Conversions Part 2

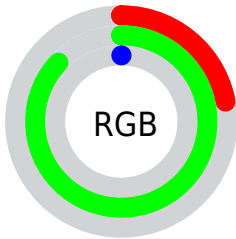
Format	Color
RYB	0, 222, 167
Decimal	3661312
CIELab	77.91, -73.29, 75.50
CIELCh	78, 105.220, 134.147
Yxy	53.0548, 0.3093, 0.5926
Android (android.graphics.Color)	4281851392 (0xFF37DE00)
YUV	146.7590, -72.3522, -80.4726
Hunter-Lab	72.8387, -59.5935, 43.8396

Details

The XYZ color **27.6968, 53.0548, 8.7808** 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 **29.1290, 13.4938, 70.1795**, and the grayscale version is **27.9338, 29.3885, 32.0041**.

A 20% lighter version of the original color is **46.4530, 76.8430, 20.9782**, and **13.4551, 26.9103, 4.4850** is the 20% darker color. If you saturate the color by 10%, you get **27.6967, 53.0564, 8.7811**, and if you desaturate by 10%, it is **28.9197, 53.6699, 9.6057**.

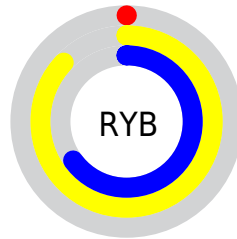
Distribution



Red (22%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (65%)

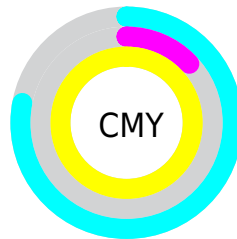


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (78%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6968, 53.0548, 8.7808 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 27.6968, 53.0548, 8.7808 by changing the saturation by 10% instead.


 27.6968, 53.0548,
8.7808


 27.6968, 53.0548,
8.7808


283.1217,
398.4953, 191.8916


 18.2365, 37.8465,
4.5036


 55.4120, 94.6850,
24.0464


 11.2206, 25.8636,
1.9055


 74.3977, 121.8757,
35.8720


 6.2838, 16.7216,
0.4962


 97.2892, 153.8293,
51.0508

 3.0607, 10.0362,
0.0000

 124.4519,
190.9303, 70.0013

 1.1860, 5.4230,
0.0000

 156.2511,
233.5630, 93.1421

 0.0952, 2.4975,
0.0000

 193.0523,

 0.0000, 0.8754,

282.1118, 120.8917

0.0000

235.2207,
336.9611, 153.6687

■ 0.0000, 0.0000,
0.0000

■ 27.6968, 53.0548,
8.7808

■ 27.6968, 53.0548,
8.7808

■ 27.6967, 53.0564,
8.7811

■ 28.9197, 53.6699,
9.6057

■ 30.6480, 54.5243,
11.3343

■ 32.9626, 55.6553,
14.2572

■ 35.9175, 57.0868,
18.5395

■ 39.5594, 58.8402,
24.3198

■ 43.9307, 60.9344,
31.7199

■ 49.0701, 63.3871,
40.8489

■ 55.0133, 66.2146,
51.8066

■ 61.7939, 69.4320,
64.6851

Harmonies

Analogous

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



41.4133, 53.0548, 2.9223



27.6968, 53.0548, 8.7808



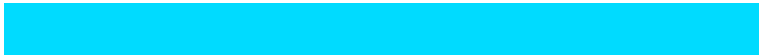
21.2687, 53.0548, 32.1404

Triad

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



27.6968, 53.0548, 8.7808



40.4293, 53.0548, 247.9511



98.9789, 53.0548, 34.3819

Complementary

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



27.6968, 53.0548, 8.7808



29.1290, 13.4938, 70.1795

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.



98.5045, 53.0548, 94.3183



27.6968, 53.0548, 8.7808



60.6620, 53.0548, 250.2506

Square

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



27.6968, 53.0548, 8.7808



27.1452, 53.0548, 177.0734



83.0753, 53.0548, 182.1246



84.2356, 53.0548, 9.4737

Rectangle

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



27.6968, 53.0548, 8.7808



20.4950, 53.0548, 66.3007



83.0753, 53.0548, 182.1246



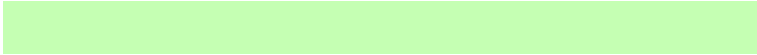
100.6970, 53.0548, 50.0001

Sweetspot

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



27.6980, 53.0570, 8.7820



66.9888, 86.6849, 55.5844



43.8547, 42.9886, 5.9870



13.6728, 18.2368, 10.7025



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.



27.6980, 53.0570, 8.7820



37.8195, 72.5817, 12.0164



26.8249, 52.5258, 12.4050



13.8452, 15.5003, 14.5689



16.5360, 31.5571, 5.2196



1.2270, 2.2291, 0.3656

Inverse Universe

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



29.1290, 13.4938, 70.1795



39.7504, 18.4070, 96.0656



37.0556, 18.3028, 37.9019



13.9462, 13.7558, 17.3078



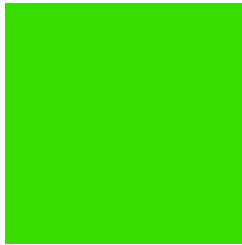
17.4063, 8.0686, 41.6883



1.2863, 0.6004, 2.8933

Previews

White Background



This preview shows how the XYZ color 27.6968, 53.0548, 8.7808 looks on a white background.

Color Contrast Check

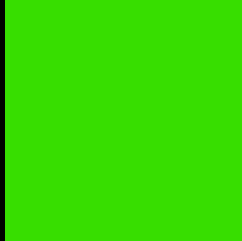
Large Text (above 18pt) WCAG AA × Fail

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 27.6968, 53.0548, 8.7808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

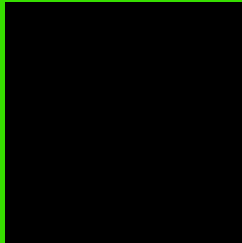
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6968, 53.0548, 8.7808

Background



This preview shows how black text looks on a background with the XYZ color 27.6968, 53.0548, 8.7808.



This preview shows how white text looks on a background with the XYZ color 27.6968, 53.0548,

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

27.6968, 53.0548, 8.7808

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

52.9926, 51.7864, 9.9991



Tritanopia

41.3344, 52.5345, 77.7737

Trichromacy



Original Color

27.6968, 53.0548, 8.7808



Protanomaly

35.0252, 49.4092, 7.6909



Deuteranomaly

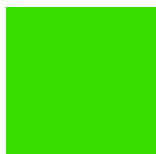
37.2208, 48.4630, 8.6889



Tritanomaly

32.3564, 51.0662, 33.7426

Monochromacy



Original Color

27.6968, 53.0548, 8.7808



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.0959, 34.6577, 16.0093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6968, 53.0548, 8.7808 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(55, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 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(55, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.6968, 53.0548, 8.7808 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(55, 222, 0) }
```


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

```
.border{ border-color:rgb(55, 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(55, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 222, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.6968, 53.0548, 8.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 222, 0) }
```

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

```
.background{ background-color: rgb(55, 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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