

Converting Colors

XYZ(27.9443, 55.1629, 9.1747)

Have a look what the booklet for
XYZ(27.9443, 55.1629, 9.1747)
contains.

XYZ(27.9480, 55.1850, 9.1788)	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(27.9480, 55.1850,
9.1788)**

Conversions

Conversions Part 1

Format	Color
Hex	1CE300
RGB	28, 227, 0
RGB Percent	11%, 89%, 0%
CMY	0.8902, 0.1098, 0.9999
CMYK	0.88, 0.00, 1.00, 0.11
HSL	113°, 100%, 45%
HSV	113°, 100%, 89%
XYZ	27.9480, 55.1850, 9.1788
YIQ	141.6210, -45.7370, -112.7850

Conversions

Conversions Part 2

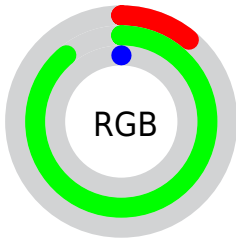
Format	Color
RYB	0, 227, 199
Decimal	1893120
CIELab	79.15, -77.63, 76.35
CIELCh	79, 108.888, 135.476
Yxy	55.1850, 0.3028, 0.5978
Android (android.graphics.Color)	4280083200 (0xFF1CE300)
YUV	141.6210, -69.8192, -99.6456
Hunter-Lab	74.2866, -62.8466, 44.6748

Details

The XYZ color **27.9480, 55.1850, 9.1788** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **37.4281, 17.6936, 74.1184**, and the grayscale version is **25.8441, 27.1900, 29.6099**.

A 20% lighter version of the original color is **44.9109, 76.0434, 21.1149**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.9484, 55.1868, 9.1791**, and if you desaturate by 10%, it is **28.8366, 55.6272, 10.0139**.

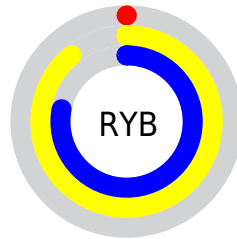
Distribution



Red (11%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (78%)

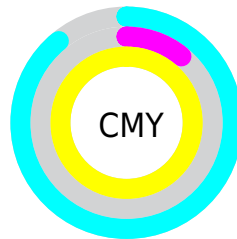


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (89%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9480, 55.1850, 9.1788 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 27.9480, 55.1850, 9.1788 by changing the saturation by 10% instead.


 27.9480, 55.1850,
9.1788


 27.9480, 55.1850,
9.1788


284.3029,
406.6128, 194.9731


 18.4267, 39.5499,
4.7596


 55.8106, 97.8120,
24.8222


 11.3583, 27.1878,
2.0506


 74.8827, 125.5726,
36.8835

 6.3775, 17.7143,
0.5862


 97.8691, 158.1438,
52.3292

 3.1188, 10.7451,
0.0000

 125.1351,
195.9100, 71.5779

 1.2169, 5.8957,
0.0000

 157.0461,
239.2556, 95.0480

 0.1196, 2.7817,
0.0000

 193.9676,

 0.0000, 1.0189,

288.5650, 123.1583

0.0000

236.2647,
344.2226, 156.3271

■ 0.0000, 0.0000,
0.0000

■ 27.9480, 55.1850,
9.1788

■ 27.9480, 55.1850,
9.1788

■ 27.9484, 55.1868,
9.1791

■ 28.8366, 55.6272,
10.0139

■ 30.3227, 56.3552,
11.8060

■ 32.5148, 57.4199,
14.8595

■ 35.4888, 58.8568,
19.3499

■ 39.3105, 60.6964,
25.4244

■ 44.0388, 62.9665,
33.2124

■ 49.7271, 65.6919,
42.8299

■ 56.4247, 68.8959,
54.3826

■ 64.1775, 72.6000,
67.9683

Harmonies

Analogous

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



42.0748, 55.1850, 2.8106



27.9480, 55.1850, 9.1788



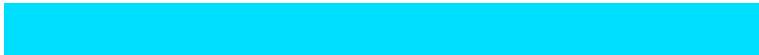
21.5125, 55.1850, 34.7984

Triad

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



27.9480, 55.1850, 9.1788



42.6565, 55.1850, 266.2785



103.8966, 55.1850, 33.4810

Complementary

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



27.9480, 55.1850, 9.1788



37.4281, 17.6936, 74.1184

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.



104.1803, 55.1850, 95.3656



27.9480, 55.1850, 9.1788



64.4081, 55.1850, 264.8924

Square

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



27.9480, 55.1850, 9.1788



28.2719, 55.1850, 192.1302



88.2321, 55.1850, 189.0948



87.5395, 55.1850, 8.7829

Rectangle

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



27.9480, 55.1850, 9.1788



20.8869, 55.1850, 72.2439



88.2321, 55.1850, 189.0948



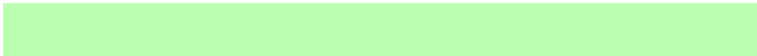
105.9991, 55.1850, 49.3768

Sweetspot

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



27.9493, 55.1873, 9.1800



64.5673, 85.4366, 55.4710



51.5874, 56.1466, 8.1193



13.1164, 17.9499, 10.6765



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.



27.9493, 55.1873, 9.1800



36.3379, 71.8179, 11.9470



29.0417, 55.5690, 17.4305



14.3535, 16.1738, 15.2698



16.3509, 32.2107, 5.3555



1.2625, 2.4082, 0.3983

Inverse Universe

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



37.4281, 17.6936, 74.1184



48.6591, 22.9996, 96.4825



36.6974, 18.3391, 27.9034



14.8111, 14.5204, 18.1664



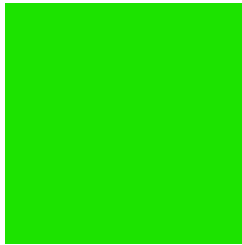
21.8940, 10.3527, 43.2275



1.6672, 0.7905, 3.1967

Previews

White Background



This preview shows how the XYZ color 27.9480, 55.1850, 9.1788 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 27.9480, 55.1850, 9.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

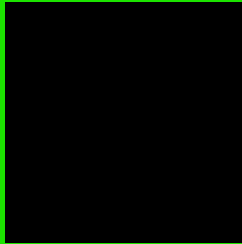
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9480, 55.1850, 9.1788

Background



This preview shows how black text looks on a background with the XYZ color 27.9480, 55.1850, 9.1788.

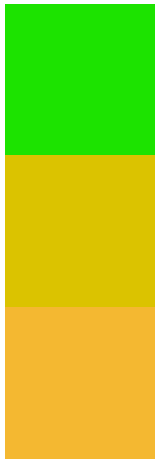


This preview shows how white text looks on a background with the XYZ color 27.9480, 55.1850,

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

27.9480, 55.1850, 9.1788

Protanopia

48.7285, 54.0903, 7.8722

Deuteranopia

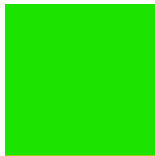
55.0031, 53.7358, 10.3788



Tritanopia

42.3349, 54.7866, 81.7424

Trichromacy



Original Color

27.9480, 55.1850, 9.1788



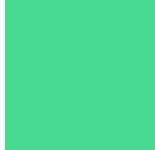
Protanomaly

34.8905, 51.1097, 8.0262



Deuteranomaly

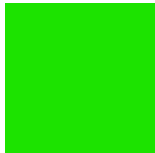
36.4186, 49.4068, 8.9133



Tritanomaly

32.6713, 53.0865, 35.3128

Monochromacy



Original Color

27.9480, 55.1850, 9.1788



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.1559, 33.3920, 14.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9480, 55.1850, 9.1788 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(28, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 227, 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(28, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9480, 55.1850, 9.1788 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(28, 227, 0) }
```


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

```
.border{ border-color:rgb(28, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(28, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 227, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9480, 55.1850, 9.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 227, 0) }
```

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

```
.background{ background-color: rgb(28, 227,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor