

Converting Colors

XYZ(28.0650, 54.8202, 10.0219)

Have a look what the booklet for
XYZ(28.0650, 54.8202, 10.0219)
contains.

XYZ(28.0650, 54.8202, 10.0219)	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(28.0650, 54.8202,
10.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	23E219
RGB	35, 226, 25
RGB Percent	14%, 89%, 10%
CMY	0.8627, 0.1137, 0.9019
CMYK	0.85, 0.00, 0.89, 0.11
HSL	117°, 80%, 49%
HSV	117°, 89%, 89%
XYZ	28.0650, 54.8202, 10.0219
YIQ	145.9770, -49.3150, -103.0030

Conversions

Conversions Part 2

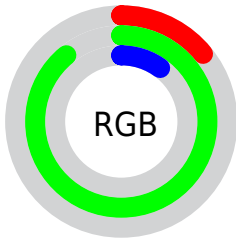
Format	Color
R _Y B	25, 226, 216
Decimal	2351641
CIE Lab	78.94, -76.26, 73.38
CIE LCh	79, 105.837, 136.102
Yxy	54.8202, 0.3021, 0.5901
Android (android.graphics.Color)	4280541721 (0xFF23E219)
YUV	145.9770, -59.6417, -97.3268
Hunter-Lab	74.0407, -61.9110, 43.8032

Details

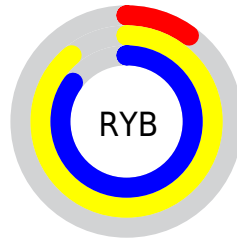
The XYZ color **28.0650, 54.8202, 10.0219** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **42.4000, 20.7887, 73.7322**, and the grayscale version is **27.5656, 29.0011, 31.5822**.

A 20% lighter version of the original color is **45.5261, 76.3212, 22.9217**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.3845, 54.4898, 9.1436**, and if you desaturate by 10%, it is **29.3809, 55.4597, 11.9112**.

Distribution



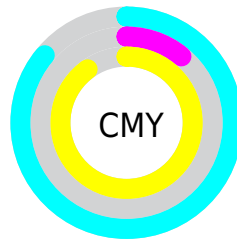
- Red (14%)
- Green (89%)
- Blue (10%)



- Red (10%)
- Yellow (89%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (89%)
- Black (11%)





- Cyan (86%)
- Magenta (11%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0650, 54.8202, 10.0219 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 28.0650, 54.8202, 10.0219 by changing the saturation by 10% instead.


 28.0650, 54.8202,
10.0219


 28.0650, 54.8202,
10.0219


284.8518,
405.2300, 201.3188


 18.5154, 39.2578,
5.3077


 55.9961, 97.2775,
26.4451

 11.4225, 26.9603,
2.3670


 75.1083, 124.9411,
38.9913

 6.4212, 17.5434,
0.7684


 98.1387, 157.4073,
54.9851

 3.1459, 10.6227,
0.0000

 125.4528,
195.0604, 74.8452

 1.2314, 5.8137,
0.0000

 157.4157,
238.2848, 98.9900

 0.1309, 2.7322,
0.0000

 194.3930,

 0.0000, 0.9935,

287.4650, 127.8382

0.0000

236.7499,
342.9852, 161.8083

■ 0.0000, 0.0000,
0.0000

■ 28.0650, 54.8202,
10.0219

■ 28.0650, 54.8202,
10.0219

■ 27.3845, 54.4898,
9.1436

■ 29.3809, 55.4597,
11.9112

■ 27.3385, 54.4676,
9.0724

■ 31.4481, 56.4577,
15.0701

■ 34.3583, 57.8591,
19.6705

■ 38.1888, 59.7009,
25.8564

■ 43.0084, 62.0156,
33.7548

■ 48.8791, 64.8330,
43.4796

■ 55.8581, 68.1800,
55.1350

■ 63.9983, 72.0820,
68.8172

■ 73.3492, 76.5625,
84.6163

Harmonies

Analogous

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



41.6771, 54.8202, 3.2439



28.0650, 54.8202, 10.0219



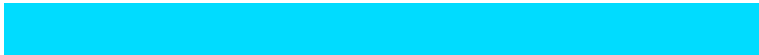
21.8884, 54.8202, 35.9753

Triad

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



28.0650, 54.8202, 10.0219



42.9852, 54.8202, 257.3894



101.3986, 54.8202, 32.9914

Complementary

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



28.0650, 54.8202, 10.0219



42.4000, 20.7887, 73.7322

Split Complementary

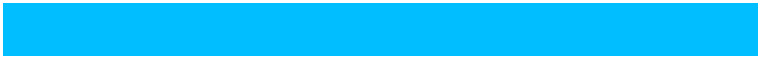
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.0274, 54.8202, 92.0424



28.0650, 54.8202, 10.0219



64.1415, 54.8202, 254.3467

Square

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



28.0650, 54.8202, 10.0219



28.7995, 54.8202, 188.0307



87.0033, 54.8202, 181.3422



85.4644, 54.8202, 9.0934

Rectangle

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



28.0650, 54.8202, 10.0219



21.3574, 54.8202, 72.8637



87.0033, 54.8202, 181.3422



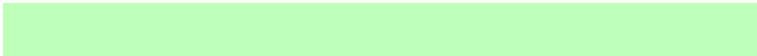
103.5285, 54.8202, 48.2081

Sweetspot

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



28.0663, 54.8225, 10.0231



65.7671, 85.9635, 59.6644



56.0851, 65.3281, 10.5742



13.4559, 18.1018, 11.7375



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.



28.0663, 54.8225, 10.0231



35.9212, 71.6031, 11.9275



30.7198, 55.8502, 25.5199



13.5915, 15.3696, 14.5571



15.6250, 31.0875, 5.1770



1.1056, 2.1664, 0.3599

Inverse Universe

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



42.4000, 20.7887, 73.7322



54.7812, 26.1556, 96.7690



36.1259, 18.6304, 24.8206



14.2242, 13.8991, 17.3208



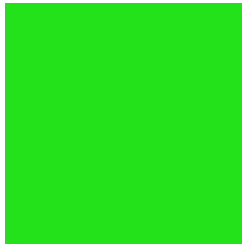
23.8118, 11.3707, 41.9881



1.6715, 0.7990, 2.9114

Previews

White Background



This preview shows how the XYZ color 28.0650, 54.8202, 10.0219 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 28.0650, 54.8202, 10.0219 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 28.0650, 54.8202, 10.0219

Background



This preview shows how black text looks on a background with the XYZ color 28.0650, 54.8202, 10.0219.



This preview shows how white text looks on a background with the XYZ color 28.0650, 54.8202,

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

28.0650, 54.8202, 10.0219

Protanopia

48.2656, 53.5132, 8.1018

Deuteranopia

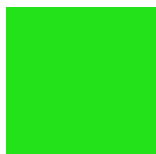
54.7685, 53.6020, 10.9496



Tritanopia

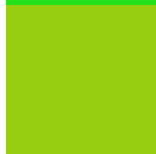
42.0573, 54.2919, 80.9358

Trichromacy



Original Color

28.0650, 54.8202, 10.0219



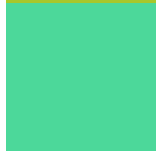
Protanomaly

34.9273, 50.7593, 8.4469



Deuteranomaly

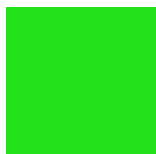
36.7958, 49.2368, 9.8498



Tritanomaly

33.3691, 52.9813, 39.0395

Monochromacy



Original Color

28.0650, 54.8202, 10.0219



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.6721, 34.6834, 18.0173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0650, 54.8202, 10.0219 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(35, 226, 25)` looks like.

```
.text, #text, p{  
    color:rgb(35, 226, 25)  
}
```

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(35, 226, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 226, 25) }
```

Border

The CSS property to change the border of an element to XYZ 28.0650, 54.8202, 10.0219 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(35, 226, 25) }
```


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

```
.border{ border-color:rgb(35, 226, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 226, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 226, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 226, 25);  
box-shadow:4px 4px 4px 4px rgb(35, 226,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0650, 54.8202, 10.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 226, 25) }
```

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

```
.background{ background-color: rgb(35, 226,  
25) }
```

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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