

Converting Colors

XYZ(28.3983, 56.6062, 10.0527)

Have a look what the booklet for
XYZ(28.3983, 56.6062, 10.0527)
contains.

XYZ(28.4144, 56.6406, 10.0512)	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(28.4144, 56.6406,
10.0512)**

Conversions

Conversions Part 1

Format	Color
Hex	00E613
RGB	0, 230, 19
RGB Percent	0%, 90%, 7%
CMY	1.0000, 0.0980, 0.9254
CMYK	1.00, 0.00, 0.92, 0.10
HSL	125°, 100%, 45%
HSV	125°, 100%, 90%
XYZ	28.4144, 56.6406, 10.0512
YIQ	137.1760, -69.3490, -114.3810

Conversions

Conversions Part 2

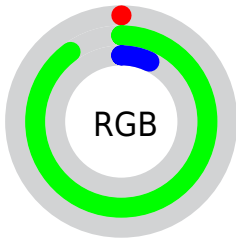
Format	Color
RYB	0, 212, 230
Decimal	58899
CIELab	79.98, -79.37, 75.09
CIELCh	80, 109.259, 136.587
Yxy	56.6406, 0.2988, 0.5956
Android (android.graphics.Color)	4278248979 (0xFF00E613)
YUV	137.1760, -58.2608, -120.3034
Hunter-Lab	75.2599, -64.3122, 44.7636

Details

The XYZ color **28.4144, 56.6406, 10.0512** 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 **44.3914, 21.5266, 63.4387**, and the grayscale version is **24.0798, 25.3338, 27.5885**.

A 20% lighter version of the original color is **44.5018, 75.8034, 22.4113**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.4156, 56.6429, 10.0521**, and if you desaturate by 10%, it is **29.0365, 56.9321, 11.4767**.

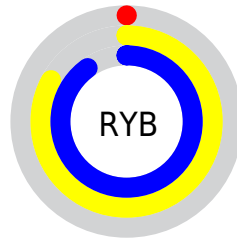
Distribution



Red (0%)

Green (90%)

Blue (7%)



Red (0%)

Yellow (83%)

Blue (90%)

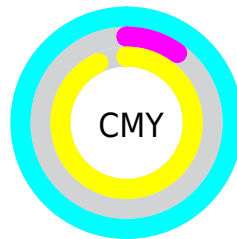


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (10%)



Cyan (100%)


Magenta (10%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4144, 56.6406, 10.0512 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 28.4144, 56.6406, 10.0512 by changing the saturation by 10% instead.


 28.4144, 56.6406,
10.0512


 28.4144, 56.6406,
10.0512


286.4861,
412.1012, 201.5352


 18.7803, 40.7168,
5.3269


 56.5494, 99.9406,
26.5011

 11.6147, 28.0978,
2.3782


 75.7810, 128.0855,
39.0637


 6.5522, 18.3994,
0.7746


 98.9426, 161.0729,
55.0762

 3.2275, 11.2371,
0.0000

 126.3994,
199.2873, 74.9570

 1.2752, 6.2266,
0.0000

 158.5167,
243.1128, 99.1248

 0.1645, 2.9833,
0.0000

 195.6601,

 0.0000, 1.1230,

292.9341, 127.9981

0.0000

238.1948,
349.1354, 161.9954

■ 0.0000, 0.0000,
0.0000

■ 28.4144, 56.6406,
10.0512

■ 28.4144, 56.6406,
10.0512

■ 28.4156, 56.6429,
10.0521

■ 29.0365, 56.9321,
11.4767

■ 30.2732, 57.5161,
13.9518

■ 32.2879, 58.4754,
17.6311

■ 35.1816, 59.8593,
22.6415

■ 39.0402, 61.7096,
29.0936

■ 43.9392, 64.0633,
37.0868

■ 49.9466, 66.9535,
46.7115

■ 57.1247, 70.4103,
58.0510

■ 65.5310, 74.4620,
71.1833

Harmonies

Analogous

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



42.5534, 56.6406, 3.0537



28.4144, 56.6406, 10.0512



22.0904, 56.6406, 37.4535

Triad

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



28.4144, 56.6406, 10.0512



44.5345, 56.6406, 273.1562



105.9352, 56.6406, 32.9589

Complementary

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



28.4144, 56.6406, 10.0512



44.3914, 21.5266, 63.4387

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.



106.8984, 56.6406, 94.5706



28.4144, 56.6406, 10.0512



66.9531, 56.6406, 268.4598

Square

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



28.4144, 56.6406, 10.0512



29.5196, 56.6406, 199.7781



91.1452, 56.6406, 189.4845



88.7924, 56.6406, 8.6901

Rectangle

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



28.4144, 56.6406, 10.0512



21.6070, 56.6406, 76.7736



91.1452, 56.6406, 189.4845



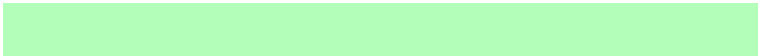
108.2977, 56.6406, 48.6932

Sweetspot

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



28.4157, 56.6429, 10.0525



62.9734, 84.5396, 58.8000



56.2257, 70.9931, 10.7399



12.7545, 17.7463, 11.4298



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.



28.4157, 56.6429, 10.0525



35.8961, 71.5744, 12.6366



32.3501, 58.2167, 30.7705



14.2374, 16.1084, 15.5151



16.1045, 32.0739, 5.7849



1.2069, 2.3769, 0.5162

Inverse Universe

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



44.3914, 21.5266, 63.4387



56.0801, 27.1960, 80.0768



34.9189, 17.7376, 13.5570



14.9410, 14.5936, 17.8898



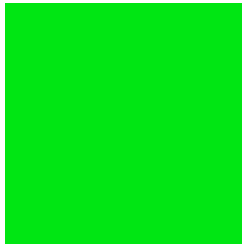
25.1529, 12.1954, 36.0298



1.8740, 0.9073, 2.7429

Previews

White Background



This preview shows how the XYZ color 28.4144, 56.6406, 10.0512 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 28.4144, 56.6406, 10.0512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

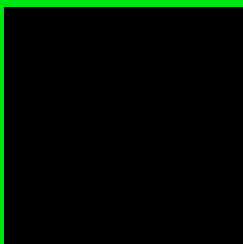
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

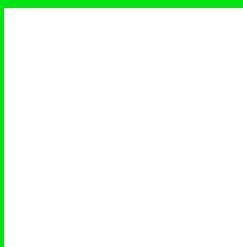
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4144, 56.6406, 10.0512

Background



This preview shows how black text looks on a background with the XYZ color 28.4144, 56.6406, 10.0512.

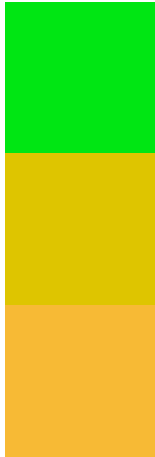


This preview shows how white text looks on a background with the XYZ color 28.4144, 56.6406,

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

28.4144, 56.6406, 10.0512

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

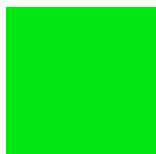
56.5593, 55.1490, 11.0320



Tritanopia

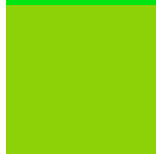
43.2942, 56.3495, 84.1960

Trichromacy



Original Color

28.4144, 56.6406, 10.0512



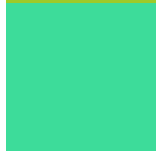
Protanomaly

33.8233, 51.2790, 8.3162



Deuteranomaly

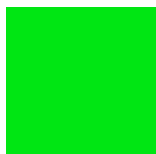
35.4254, 49.5693, 9.7985



Tritanomaly

33.3504, 54.5116, 39.3359

Monochromacy



Original Color

28.4144, 56.6406, 10.0512



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.5138, 31.9602, 15.6774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4144, 56.6406, 10.0512 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(0, 230, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 19)  
}
```

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(0, 230, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 19) }
```

Border

The CSS property to change the border of an element to XYZ 28.4144, 56.6406, 10.0512 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(0, 230, 19) }
```


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

```
.border{ border-color:rgb(0, 230, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.4144, 56.6406, 10.0512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 19) }
```

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

```
.background{ background-color: rgb(0, 230,  
19) }
```

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