

Converting Colors

XYZ(28.2946, 56.3704, 10.1062)

Have a look what the booklet for
XYZ(28.2946, 56.3704, 10.1062)
contains.

XYZ(28.4322, 56.6478, 10.1451)	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(28.4322, 56.6478,
10.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	00E615
RGB	0, 230, 21
RGB Percent	0%, 90%, 8%
CMY	1.0000, 0.0980, 0.9176
CMYK	1.00, 0.00, 0.91, 0.10
HSL	125°, 100%, 45%
HSV	125°, 100%, 90%
XYZ	28.4322, 56.6478, 10.1451
YIQ	137.4040, -69.9910, -113.7590

Conversions

Conversions Part 2

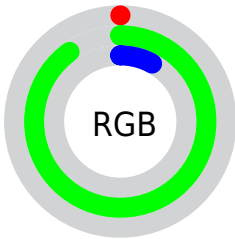
Format	Color
RYB	0, 211, 230
Decimal	58901
CIELab	79.98, -79.32, 74.81
CIELCh	80, 109.033, 136.673
Yxy	56.6478, 0.2986, 0.5949
Android (android.graphics.Color)	4278248981 (0xFF00E615)
YUV	137.4040, -57.3872, -120.5033
Hunter-Lab	75.2647, -64.2827, 44.6935

Details

The XYZ color **28.4322, 56.6478, 10.1451** 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 **44.1414, 21.4265, 62.1219**, and the grayscale version is **24.1629, 25.4212, 27.6837**.

A 20% lighter version of the original color is **44.5458, 75.8210, 22.6430**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.4335, 56.6501, 10.1463**, and if you desaturate by 10%, it is **29.0678, 56.9447, 11.6422**.

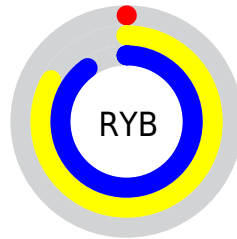
Distribution



Red (0%)

Green (90%)

Blue (8%)



Red (0%)

Yellow (83%)

Blue (90%)

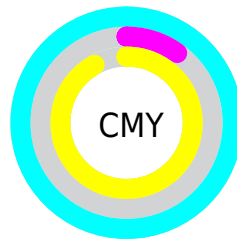


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (10%)



Cyan (100%)


Magenta (10%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4322, 56.6478, 10.1451 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 28.4322, 56.6478, 10.1451 by changing the saturation by 10% instead.


 28.4322, 56.6478,
10.1451


 28.4322, 56.6478,
10.1451


286.5692,
412.1283, 202.2269


 18.7938, 40.7225,
5.3884


 56.5776, 99.9511,
26.6801

 11.6245, 28.1023,
2.4142


 75.8153, 128.0979,
39.2956

 6.5589, 18.4028,
0.7942


 98.9835, 161.0874,
55.3676

 3.2317, 11.2396,
0.0000

 126.4475,
199.3039, 75.3149

 1.2774, 6.2282,
0.0000

 158.5727,
243.1319, 99.5559

 0.1662, 2.9843,
0.0000

 195.7245,

 0.0000, 1.1236,

292.9556, 128.5093

0.0000

238.2682,
349.1596, 162.5934

■ 0.0000, 0.0000,
0.0000

■ 28.4322, 56.6478,
10.1451

■ 28.4322, 56.6478,
10.1451

■ 28.4335, 56.6501,
10.1463

■ 29.0678, 56.9447,
11.6422

■ 30.3169, 57.5337,
14.1830

■ 32.3415, 58.4969,
17.9156

■ 35.2419, 59.8834,
22.9620

■ 39.1031, 61.7348,
29.4291

■ 44.0002, 64.0877,
37.4131

■ 50.0005, 66.9749,
47.0016

■ 57.1658, 70.4267,
58.2754

■ 65.5534, 74.4708,
71.3102

Harmonies

Analogous

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



42.5287, 56.6478, 3.0946



28.4322, 56.6478, 10.1451



22.1334, 56.6478, 37.6284

Triad

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



28.4322, 56.6478, 10.1451



44.6131, 56.6478, 272.6287



105.7847, 56.6478, 32.8967

Complementary

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



28.4322, 56.6478, 10.1451



44.1414, 21.4265, 62.1219

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.



106.7970, 56.6478, 94.2680



28.4322, 56.6478, 10.1451



67.0023, 56.6478, 267.6973

Square

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



28.4322, 56.6478, 10.1451



29.5958, 56.6478, 199.6674



91.1259, 56.6478, 188.8553



88.6529, 56.6478, 8.7080

Rectangle

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



28.4322, 56.6478, 10.1451



21.6624, 56.6478, 76.9585



91.1259, 56.6478, 188.8553



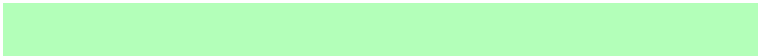
108.1573, 56.6478, 48.5703

Sweetspot

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



28.4335, 56.6501, 10.1464



63.0439, 84.5678, 59.1714



55.1153, 70.4208, 10.6877



12.7705, 17.7528, 11.5143



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.



28.4335, 56.6501, 10.1464



35.9177, 71.5831, 12.7504



32.6129, 58.3219, 32.1547



14.2425, 16.1104, 15.5420



16.1159, 32.0785, 5.8449



1.2094, 2.3779, 0.5291

Inverse Universe

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



44.1414, 21.4265, 62.1219



55.7626, 27.0690, 78.4049



34.7382, 17.6652, 12.6056



14.9353, 14.5913, 17.8599



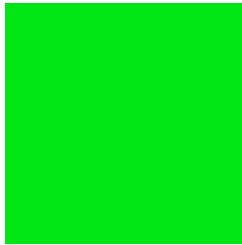
25.0134, 12.1396, 35.2952



1.8651, 0.9038, 2.6961

Previews

White Background



This preview shows how the XYZ color 28.4322, 56.6478, 10.1451 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 28.4322, 56.6478, 10.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

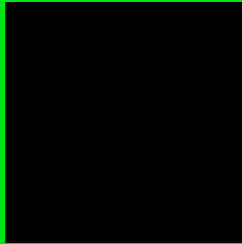
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

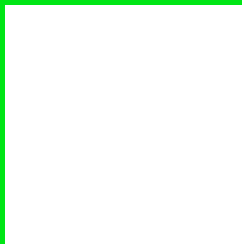
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4322, 56.6478, 10.1451

Background



This preview shows how black text looks on a background with the XYZ color 28.4322, 56.6478, 10.1451.



This preview shows how white text looks on a background with the XYZ color 28.4322, 56.6478,

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

28.4322, 56.6478, 10.1451

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

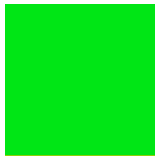
56.5593, 55.1490, 11.0320



Tritanopia

43.2942, 56.3495, 84.1960

Trichromacy



Original Color

28.4322, 56.6478, 10.1451



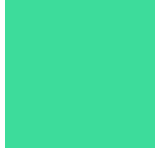
Protanomaly

33.8288, 51.2812, 8.3450



Deuteranomaly

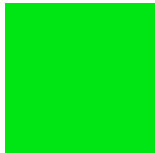
35.4254, 49.5693, 9.7985



Tritanomaly

33.4341, 54.5451, 39.7764

Monochromacy



Original Color

28.4322, 56.6478, 10.1451



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.5589, 31.9783, 15.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4322, 56.6478, 10.1451 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 21) }
```

Border

The CSS property to change the border of an element to XYZ 28.4322, 56.6478, 10.1451 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, 21) }
```


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

```
.border{ border-color:rgb(0, 230, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.4322, 56.6478, 10.1451 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, 21) }
```

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

```
.background{ background-color: rgb(0, 230,  
21) }
```

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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