

Converting Colors

XYZ(28.3610, 56.6178, 9.7473)

Have a look what the booklet for
XYZ(28.3610, 56.6178, 9.7473)
contains.

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Color

**XYZ(28.3572, 56.6178,
9.7504)**

Conversions

Conversions Part 1

Format	Color
Hex	00E60B
RGB	0, 230, 11
RGB Percent	0%, 90%, 4%
CMY	1.0000, 0.0980, 0.9567
CMYK	1.00, 0.00, 0.95, 0.10
HSL	123°, 100%, 45%
HSV	123°, 100%, 90%
XYZ	28.3572, 56.6178, 9.7504
YIQ	136.2640, -66.7810, -116.8690

Conversions

Conversions Part 2

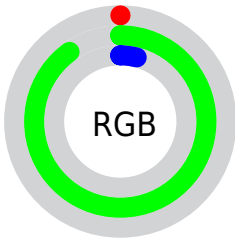
Format	Color
RYB	0, 220, 230
Decimal	58891
CIELab	79.96, -79.54, 75.98
CIELCh	80, 109.994, 136.311
Yxy	56.6178, 0.2994, 0.5977
Android (android.graphics.Color)	4278248971 (0xFF00E60B)
YUV	136.2640, -61.7552, -119.5035
Hunter-Lab	75.2448, -64.4078, 44.9884

Details

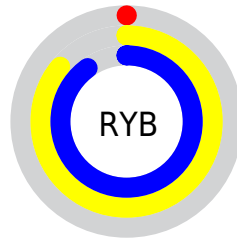
The XYZ color **28.3572, 56.6178, 9.7504** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.4172, 21.9368, 68.8400**, and the grayscale version is **23.7457, 24.9824, 27.2058**.

A 20% lighter version of the original color is **44.4155, 75.7689, 21.9568**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.3586, 56.6202, 9.7517**, and if you desaturate by 10%, it is **28.9248, 56.8875, 10.8895**.

Distribution



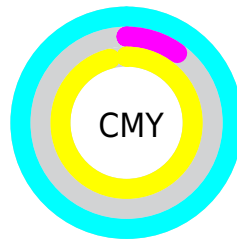
- Red (0%)
- Green (90%)
- Blue (4%)



- Red (0%)
- Yellow (86%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3572, 56.6178, 9.7504 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 28.3572, 56.6178, 9.7504 by changing the saturation by 10% instead.


 28.3572, 56.6178,
9.7504


 28.3572, 56.6178,
9.7504


286.2191,
412.0156, 199.3009


 18.7369, 40.6985,
5.1303


 56.4589, 99.9073,
25.9254

 11.5832, 28.0835,
2.2639


 75.6710, 128.0462,
38.3174


 6.5307, 18.3886,
0.7109


 98.8111, 161.0272,
54.1372

 3.2141, 11.2294,
0.0000

 126.2446,
199.2345, 73.8032

 1.2680, 6.2213,
0.0000

 158.3368,
243.0526, 97.7340

 0.1590, 2.9801,
0.0000

 195.4530,

 0.0000, 1.1214,

292.8659, 126.3483

0.0000

237.9586,
349.0588, 160.0644

■ 0.0000, 0.0000,
0.0000

■ 28.3572, 56.6178,
9.7504

■ 28.3572, 56.6178,
9.7504

■ 28.3586, 56.6202,
9.7517

■ 28.9248, 56.8875,
10.8895

■ 30.1101, 57.4510,
13.0947

■ 32.0821, 58.3931,
16.5500

■ 34.9458, 59.7649,
21.4033

■ 38.7901, 61.6096,
27.7818

■ 43.6933, 63.9649,
35.7983

■ 49.7256, 66.8649,
45.5553

■ 56.9511, 70.3408,
57.1467

■ 65.4295, 74.4212,
70.6596

Harmonies

Analogous

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



42.6344, 56.6178, 2.9235



28.3572, 56.6178, 9.7504



21.9514, 56.6178, 36.8892

Triad

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



28.3572, 56.6178, 9.7504



44.2802, 56.6178, 274.8739



106.4255, 56.6178, 33.1624

Complementary

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



28.3572, 56.6178, 9.7504



45.4172, 21.9368, 68.8400

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.



107.2288, 56.6178, 95.5596



28.3572, 56.6178, 9.7504



66.7936, 56.6178, 270.9471

Square

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



28.3572, 56.6178, 9.7504



29.2734, 56.6178, 200.1376



91.2081, 56.6178, 191.5393



89.2472, 56.6178, 8.6323

Rectangle

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



28.3572, 56.6178, 9.7504



21.4280, 56.6178, 76.1749



91.2081, 56.6178, 191.5393



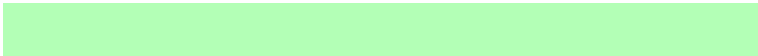
108.7548, 56.6178, 49.0950

Sweetspot

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



28.3586, 56.6202, 9.7517



62.6960, 84.4286, 57.3394



58.5256, 72.1789, 10.8473



12.6916, 17.7212, 11.0984



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.



28.3586, 56.6202, 9.7517



35.8278, 71.5471, 12.2769



31.8524, 58.0177, 28.1501



14.2172, 16.1003, 15.4086



16.0670, 32.0589, 5.5870



1.1972, 2.3730, 0.4652

Inverse Universe

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



45.4172, 21.9368, 68.8400



57.3830, 27.7172, 86.9380



35.3060, 17.8923, 15.5953



14.9637, 14.6027, 18.0092



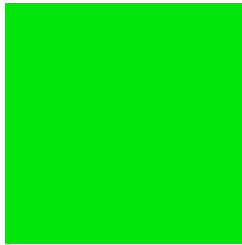
25.7250, 12.4242, 39.0424



1.9103, 0.9218, 2.9339

Previews

White Background



This preview shows how the XYZ color 28.3572, 56.6178, 9.7504 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 28.3572, 56.6178, 9.7504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

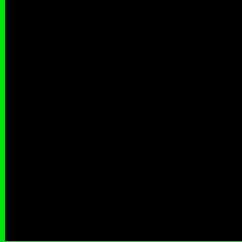
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

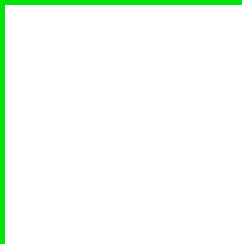
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3572, 56.6178, 9.7504

Background



This preview shows how black text looks on a background with the XYZ color 28.3572, 56.6178, 9.7504.



This preview shows how white text looks on a background with the XYZ color 28.3572, 56.6178,

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

28.3572, 56.6178, 9.7504

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

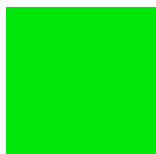
56.5142, 55.1310, 10.7947



Tritanopia

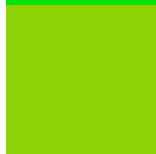
43.2942, 56.3495, 84.1960

Trichromacy



Original Color

28.3572, 56.6178, 9.7504



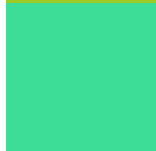
Protanomaly

33.8069, 51.2724, 8.2296



Deuteranomaly

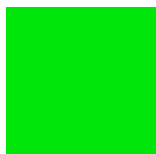
35.3436, 49.5365, 9.3678



Tritanomaly

33.1036, 54.4129, 38.0362

Monochromacy



Original Color

28.3572, 56.6178, 9.7504



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.1935, 31.5310, 14.9193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3572, 56.6178, 9.7504 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 11) }
```

Border

The CSS property to change the border of an element to XYZ 28.3572, 56.6178, 9.7504 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, 11) }
```


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

```
.border{ border-color:rgb(0, 230, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.3572, 56.6178, 9.7504 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, 11) }
```

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

```
.background{ background-color: rgb(0, 230,  
11) }
```

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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