

Converting Colors

XYZ(28.6678, 56.4856, 10.4658)

Have a look what the booklet for
XYZ(28.6678, 56.4856, 10.4658)
contains.

XYZ(28.5823, 56.3046, 10.4601)	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(28.5823, 56.3046,
10.4601)**

Conversions

Conversions Part 1

Format	Color
Hex	17E51C
RGB	23, 229, 28
RGB Percent	9%, 90%, 11%
CMY	0.9098, 0.1019, 0.8901
CMYK	0.90, 0.00, 0.88, 0.10
HSL	121°, 82%, 49%
HSV	121°, 90%, 90%
XYZ	28.5823, 56.3046, 10.4601
YIQ	144.4920, -58.2550, -106.1830

Conversions

Conversions Part 2

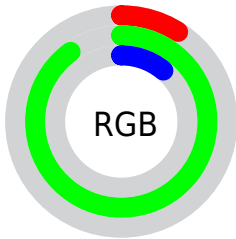
Format	Color
RYB	23, 224, 229
Decimal	1565980
CIELab	79.79, -77.89, 73.55
CIElCh	80, 107.130, 136.642
Yxy	56.3046, 0.2998, 0.5905
Android (android.graphics.Color)	4279756060 (0xFF17E51C)
YUV	144.4920, -57.4306, -106.5485
Hunter-Lab	75.0364, -63.3208, 44.2604

Details

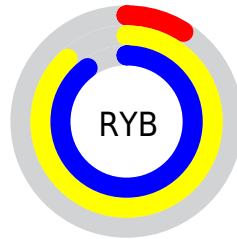
The XYZ color **28.5823, 56.3046, 10.4601** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **46.0742, 22.6529, 72.4592**, and the grayscale version is **26.9518, 28.3554, 30.8790**.

A 20% lighter version of the original color is **45.2074, 76.1464, 23.3814**, and **14.7525, 29.5050, 4.9175** is the 20% darker color. If you saturate the color by 10%, you get **28.0528, 56.0539, 9.5038**, and if you desaturate by 10%, it is **29.7263, 56.8528, 12.4653**.

Distribution



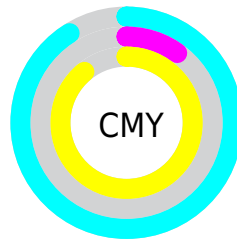
- Red (9%)
- Green (90%)
- Blue (11%)



- Red (9%)
- Yellow (88%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (10%)



- Cyan (91%)
- Magenta (10%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5823, 56.3046, 10.4601 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 28.5823, 56.3046, 10.4601 by changing the saturation by 10% instead.

■ 28.5823, 56.3046,
10.4601

■ 28.5823, 56.3046,
10.4601

287.2689,
410.8384, 204.5278

■ 18.9078, 40.4472,
5.5955

■ 56.8149, 99.4498,
27.2786

■ 11.7073, 27.8874,
2.5359

■ 76.1038, 127.5064,
40.0696

■ 6.6154, 18.2408,
0.8591

■ 99.3280, 160.3981,
56.3398

■ 3.2670, 11.1230,
0.0000

■ 126.8531,
198.5095, 76.5077

■ 1.2965, 6.1496,
0.0000

■ 159.0444,
242.2248, 100.9919

■ 0.1806, 2.9363,
0.0000

■ 196.2672,

■ 0.0000, 1.0986,

291.9284, 130.2110

0.0000

238.8869,
348.0048, 164.5834

■ 0.0000, 0.0000,
0.0000

■ 28.5823, 56.3046,
10.4601

■ 28.5823, 56.3046,
10.4601

■ 28.0528, 56.0539,
9.5038

■ 29.7263, 56.8528,
12.4653


■ 28.0509, 56.0530,
9.5009


■ 31.6535, 57.7760,
15.7351


■ 34.4721, 59.1280,
20.4331


■ 38.2725, 60.9524,
26.6973

■ 43.1337, 63.2875,
34.6494

 49.1269, 66.1675,
44.3994

 56.3172, 69.6238,
56.0477

 64.7645, 73.6854,
69.6874

 74.5248, 78.3793,
85.4056

Harmonies

Analogous

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



42.4503, 56.3046, 3.3239



28.5823, 56.3046, 10.4601



22.3562, 56.3046, 37.6664

Triad

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



28.5823, 56.3046, 10.4601



44.4566, 56.3046, 266.0553



104.1737, 56.3046, 33.0934

Complementary

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



28.5823, 56.3046, 10.4601



46.0742, 22.6529, 72.4592

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.



105.1397, 56.3046, 93.2082



28.5823, 56.3046, 10.4601



66.3544, 56.3046, 261.3761

Square

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



28.5823, 56.3046, 10.4601



29.7077, 56.3046, 195.3930



89.8775, 56.3046, 185.1112



87.5140, 56.3046, 9.0426

Rectangle

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



28.5823, 56.3046, 10.4601



21.8859, 56.3046, 76.1658



89.8775, 56.3046, 185.1112



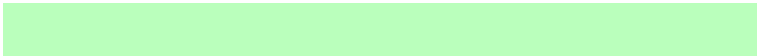
106.4748, 56.3046, 48.5170

Sweetspot

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



28.5836, 56.3069, 10.4614



65.1044, 85.6012, 60.5695



59.4046, 72.2021, 11.6162



13.3054, 18.0195, 11.9428



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.



28.5836, 56.3069, 10.4614



35.7940, 71.5336, 12.0990



32.3654, 57.8196, 30.3759



14.2035, 16.0948, 15.3363



16.0439, 32.0496, 5.4653



1.1906, 2.3704, 0.4304

Inverse Universe

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



46.0742, 22.6529, 72.4592



58.3070, 28.0868, 91.8036



36.1691, 18.6909, 20.2995



14.9792, 14.6089, 18.0908



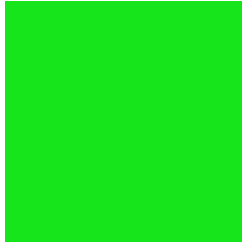
26.1303, 12.5863, 41.1768



1.9358, 0.9320, 3.0683

Previews

White Background



This preview shows how the XYZ color 28.5823, 56.3046, 10.4601 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 28.5823, 56.3046, 10.4601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

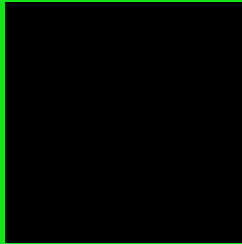
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5823, 56.3046, 10.4601

Background



This preview shows how black text looks on a background with the XYZ color 28.5823, 56.3046, 10.4601.



This preview shows how white text looks on a background with the XYZ color 28.5823, 56.3046,

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

28.5823, 56.3046, 10.4601

Protanopia

49.6522, 54.8894, 8.4680

Deuteranopia

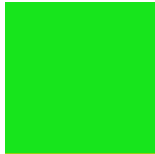
56.2788, 54.9962, 11.3905



Tritanopia

43.1142, 55.8983, 83.3800

Trichromacy



Original Color

28.5823, 56.3046, 10.4601



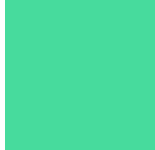
Protanomaly

35.0766, 51.5518, 8.7636



Deuteranomaly

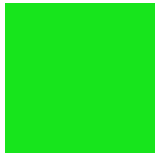
37.1307, 50.4376, 10.3632



Tritanomaly

34.0159, 54.4370, 40.6129

Monochromacy



Original Color

28.5823, 56.3046, 10.4601



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

22.9838, 34.3286, 17.9851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5823, 56.3046, 10.4601 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(23, 229, 28)` looks like.

```
.text, #text, p{  
    color:rgb(23, 229, 28)  
}
```

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(23, 229, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 229, 28) }
```

Border

The CSS property to change the border of an element to XYZ 28.5823, 56.3046, 10.4601 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(23, 229, 28) }
```


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

```
.border{ border-color:rgb(23, 229, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 229, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 229, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 229, 28);  
box-shadow:4px 4px 4px 4px rgb(23, 229,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5823, 56.3046, 10.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 229, 28) }
```

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

```
.background{ background-color: rgb(23, 229,  
28) }
```

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