

Converting Colors

XYZ(28.7157, 56.6811, 10.2200)

Have a look what the booklet for
XYZ(28.7157, 56.6811, 10.2200)
contains.

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Color

**XYZ(28.8048, 56.8376,
10.2632)**

Conversions

Conversions Part 1

Format	Color
Hex	17E617
RGB	23, 230, 23
RGB Percent	9%, 90%, 9%
CMY	0.9098, 0.0980, 0.9097
CMYK	0.90, 0.00, 0.90, 0.10
HSL	120°, 82%, 50%
HSV	120°, 90%, 90%
XYZ	28.8048, 56.8376, 10.2632
YIQ	144.5090, -56.9250, -108.2610

Conversions

Conversions Part 2

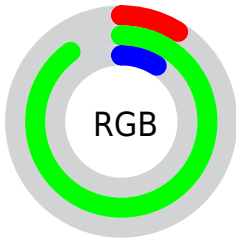
Format	Color
R_{YB}	23, 230, 230
Decimal	1566231
CIE Lab	80.09, -78.32, 74.65
CIE LCh	80, 108.199, 136.376
Yxy	56.8376, 0.3003, 0.5926
Android (android.graphics.Color)	4279756311 (0xFF17E617)
YUV	144.5090, -59.9039, -106.5634
Hunter-Lab	75.3907, -63.7336, 44.7021

Details

The XYZ color **28.8048, 56.8376, 10.2632** 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 **47.2220, 23.1489, 76.8331**, and the grayscale version is **26.9679, 28.3723, 30.8975**.

A 20% lighter version of the original color is **45.1165, 76.1101, 22.9025**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.2980, 56.5959, 9.4332**, and if you desaturate by 10%, it is **29.9181, 57.3741, 12.0838**.

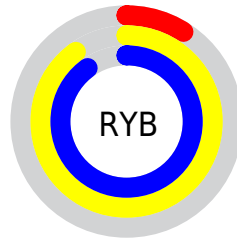
Distribution



Red (9%)

Green (90%)

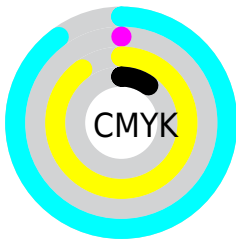
Blue (9%)



Red (9%)

Yellow (90%)

Blue (9%)

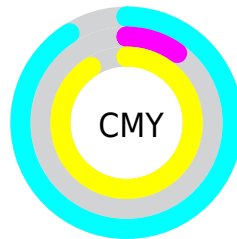


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (10%)



Cyan (91%)

Magenta (10%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8048, 56.8376, 10.2632 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 28.8048, 56.8376, 10.2632 by changing the saturation by 10% instead.

■ 28.8048, 56.8376,
10.2632

■ 28.8048, 56.8376,
10.2632

288.3037,
412.8405, 203.0930

■ 19.0767, 40.8749,
5.4659

■ 57.1665, 100.2282,
26.9049

■ 11.8301, 28.2213,
2.4597

■ 76.5309, 128.4248,
39.5864

■ 6.6995, 18.4926,
0.8187

■ 99.8381, 161.4682,
55.7331

■ 3.3195, 11.3042,
0.0000

■ 127.4534,
199.7428, 75.7635

■ 1.3249, 6.2718,
0.0000

■ 159.7423,
243.6329, 100.0962

■ 0.2017, 3.0111,
0.0000

■ 197.0701,

■ 0.0000, 1.1375,

293.5230, 129.1496

0.0000

239.8021,
349.7974, 163.3423

■ 0.0000, 0.0098,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.8048, 56.8376,
10.2632

■ 28.8048, 56.8376,
10.2632

■ 28.2980, 56.5959,
9.4332


■ 29.9181, 57.3741,
12.0838


■ 28.2980, 56.5959,
9.4332


■ 31.8269, 58.2910,
15.2064


■ 34.6441, 59.6442,
19.8147


■ 38.4636, 61.4789,
26.0625

 43.3678, 63.8346,
34.0841

 49.4302, 66.7468,
44.0003

 56.7184, 70.2476,
55.9210

 65.2943, 74.3671,
69.9480

 75.2159, 79.1330,
86.1759

Harmonies

Analogous

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



42.9433, 56.8376, 3.2218



28.8048, 56.8376, 10.2632



22.4380, 56.8376, 37.4933

Triad

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



28.8048, 56.8376, 10.2632



44.6506, 56.8376, 270.3518



105.6754, 56.8376, 33.6089

Complementary

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



28.8048, 56.8376, 10.2632



47.2220, 23.1489, 76.8331

Split Complementary

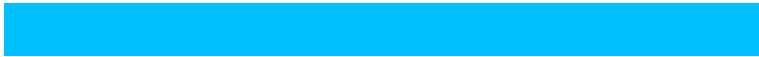
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.5006, 56.8376, 95.0675



28.8048, 56.8376, 10.2632



66.8600, 56.8376, 266.3445

Square

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



28.8048, 56.8376, 10.2632



29.7605, 56.8376, 197.6962



90.8316, 56.8376, 188.8995



88.8140, 56.8376, 9.0699

Rectangle

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



28.8048, 56.8376, 10.2632



21.9245, 56.8376, 76.3519



90.8316, 56.8376, 188.8995



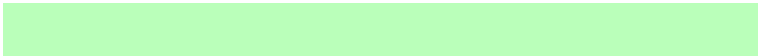
107.9687, 56.8376, 49.3742

Sweetspot

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



28.8061, 56.8400, 10.2645



64.9256, 85.5297, 59.6280



61.0870, 73.4814, 11.7743



13.2648, 18.0033, 11.7292



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.



28.8061, 56.8400, 10.2645



35.7601, 71.5200, 11.9206



32.4497, 58.2974, 29.4513



14.1894, 16.0892, 15.2624



16.0201, 32.0402, 5.3404



1.1838, 2.3677, 0.3947

Inverse Universe

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



47.2220, 23.1489, 76.8331



59.2867, 28.4787, 96.9628



36.7392, 18.9558, 21.6315



14.9951, 14.6152, 18.1748



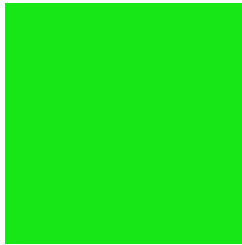
26.5598, 12.7581, 43.4384



1.9627, 0.9428, 3.2100

Previews

White Background



This preview shows how the XYZ color 28.8048, 56.8376, 10.2632 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 28.8048, 56.8376, 10.2632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

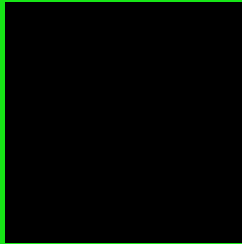
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8048, 56.8376, 10.2632

Background



This preview shows how black text looks on a background with the XYZ color 28.8048, 56.8376, 10.2632.

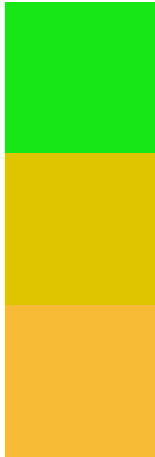


This preview shows how white text looks on a background with the XYZ color 28.8048, 56.8376,

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

28.8048, 56.8376, 10.2632

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

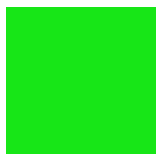
56.7940, 55.5811, 11.2249



Tritanopia

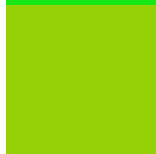
43.5074, 56.4593, 84.2060

Trichromacy



Original Color

28.8048, 56.8376, 10.2632



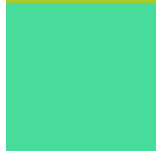
Protanomaly

35.4220, 52.1025, 8.4196



Deuteranomaly

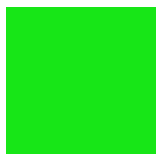
37.5179, 50.9933, 10.1508



Tritanomaly

34.1081, 54.8925, 39.8080

Monochromacy



Original Color

28.8048, 56.8376, 10.2632



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.2411, 34.7570, 17.7957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8048, 56.8376, 10.2632 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, 230, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 230, 23)  
}
```

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, 230, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 230, 23) }
```

Border

The CSS property to change the border of an element to XYZ 28.8048, 56.8376, 10.2632 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, 230, 23) }
```


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

```
.border{ border-color:rgb(23, 230, 23) }
```

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

Here you see how a box with a 4 pixel rgb(23, 230, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 230, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 230, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 230,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8048, 56.8376, 10.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 230, 23) }
```

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

```
.background{ background-color: rgb(23, 230,  
23) }
```

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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