

Converting Colors

XYZ(28.3776, 56.4036, 10.5429)

Have a look what the booklet for
XYZ(28.3776, 56.4036, 10.5429)
contains.

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Color

**XYZ(28.5186, 56.6823,
10.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	00E61D
RGB	0, 230, 29
RGB Percent	0%, 90%, 11%
CMY	1.0000, 0.0980, 0.8862
CMYK	1.00, 0.00, 0.87, 0.10
HSL	128°, 100%, 45%
HSV	128°, 100%, 90%
XYZ	28.5186, 56.6823, 10.6001
YIQ	138.3160, -72.5590, -111.2710

Conversions

Conversions Part 2

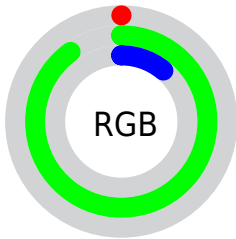
Format	Color
RYB	0, 204, 230
Decimal	58909
CIELab	80.00, -79.06, 73.51
CIELCh	80, 107.958, 137.083
Yxy	56.6823, 0.2977, 0.5917
Android (android.graphics.Color)	4278248989 (0xFF00E61D)
YUV	138.3160, -53.8928, -121.3031
Hunter-Lab	75.2876, -64.1384, 44.3536

Details

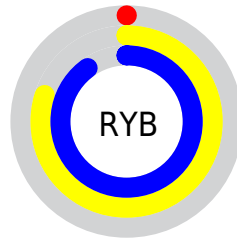
The XYZ color **28.5186, 56.6823, 10.6001** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **43.1764, 21.0405, 57.0405**, and the grayscale version is **24.5000, 25.7759, 28.0699**.

A 20% lighter version of the original color is **44.5998, 75.8278, 23.5948**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.5198, 56.6846, 10.6011**, and if you desaturate by 10%, it is **29.2082, 57.0008, 12.3811**.

Distribution



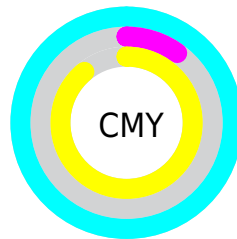
- Red (0%)
- Green (90%)
- Blue (11%)



- Red (0%)
- Yellow (80%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5186, 56.6823, 10.6001 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 28.5186, 56.6823, 10.6001 by changing the saturation by 10% instead.


 28.5186, 56.6823,
10.6001


 28.5186, 56.6823,
10.6001


286.9721,
412.2578, 205.5410


 18.8594, 40.7502,
5.6878


 56.7142, 100.0015,
27.5435


 11.6721, 28.1240,
2.5905


 75.9814, 128.1574,
40.4118


 6.5914, 18.4191,
0.8876


 99.1819, 161.1566,
56.7691

 3.2520, 11.2513,
0.0000

 126.6811,
199.3837, 77.0341

 1.2884, 6.2361,
0.0000

 158.8443,
243.2230, 101.6252

 0.1745, 2.9892,
0.0000

 196.0370,

 0.0000, 1.1261,

293.0588, 130.9611

0.0000

238.6245,
349.2756, 165.4602

■ 0.0000, 0.0001,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.5186, 56.6823,
10.6001

■ 28.5186, 56.6823,
10.6001

■ 28.5198, 56.6846,
10.6011

■ 29.2082, 57.0008,
12.3811

■ 30.5057, 57.6091,
15.1768

■ 32.5689, 58.5878,
19.1121

■ 35.4947, 59.9845,
24.2918

■ 39.3655, 61.8397,
30.8088

■ 44.2540, 64.1892,
38.7472

■ 50.2256, 67.0650,
48.1840

■ 57.3403, 70.4965,
59.1909

■ 65.6537, 74.5110,
71.8347

Harmonies

Analogous

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



42.4132, 56.6823, 3.2948



28.5186, 56.6823, 10.6001



22.3403, 56.6823, 38.4663

Triad

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



28.5186, 56.6823, 10.6001



44.9877, 56.6823, 270.1134



105.0692, 56.6823, 32.6055

Complementary

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



28.5186, 56.6823, 10.6001



43.1764, 21.0405, 57.0405

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.



106.3124, 56.6823, 92.8408



28.5186, 56.6823, 10.6001



67.2351, 56.6823, 264.0802

Square

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



28.5186, 56.6823, 10.6001



29.9604, 56.6823, 199.1275



91.0314, 56.6823, 185.8802



87.9914, 56.6823, 8.7956

Rectangle

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



28.5186, 56.6823, 10.6001



21.9284, 56.6823, 77.8375



91.0314, 56.6823, 185.8802



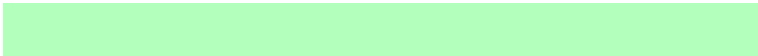
107.4892, 56.6823, 47.9923

Sweetspot

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



28.5199, 56.6846, 10.6014



63.3282, 84.6815, 60.6685



52.9731, 69.3163, 10.5875



12.8354, 17.7787, 11.8556



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.



28.5199, 56.6846, 10.6014



36.0229, 71.6252, 13.3046



33.1683, 58.5440, 35.0792



14.2629, 16.1186, 15.6494



16.1699, 32.1001, 6.1290



1.2191, 2.3817, 0.5802

Inverse Universe

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



43.1764, 21.0405, 57.0405



54.5373, 26.5789, 71.9528



34.4030, 17.5312, 10.8403



14.9128, 14.5823, 17.7410



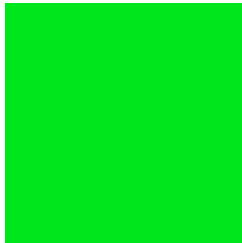
24.4746, 11.9241, 32.4579



1.8306, 0.8900, 2.5145

Previews

White Background



This preview shows how the XYZ color 28.5186, 56.6823, 10.6001 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 28.5186, 56.6823, 10.6001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

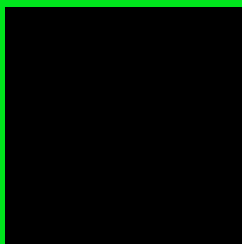
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

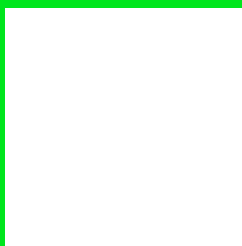
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5186, 56.6823, 10.6001

Background



This preview shows how black text looks on a background with the XYZ color 28.5186, 56.6823, 10.6001.



This preview shows how white text looks on a background with the XYZ color 28.5186, 56.6823,

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

28.5186, 56.6823, 10.6001

Protanopia

50.1916, 55.5026, 8.5980

Deuteranopia

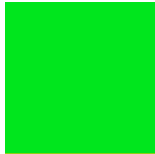
56.8666, 55.6102, 11.6075



Tritanopia

43.2942, 56.3495, 84.1960

Trichromacy



Original Color

28.5186, 56.6823, 10.6001



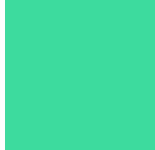
Protanomaly

33.9203, 51.3178, 8.8270



Deuteranomaly

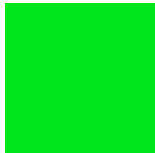
35.7737, 50.0852, 10.4713



Tritanomaly

33.6892, 54.6471, 41.1201

Monochromacy



Original Color

28.5186, 56.6823, 10.6001



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.7920, 32.0824, 16.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5186, 56.6823, 10.6001 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 29) }
```

Border

The CSS property to change the border of an element to XYZ 28.5186, 56.6823, 10.6001 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, 29) }
```


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

```
.border{ border-color:rgb(0, 230, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.5186, 56.6823, 10.6001 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, 29) }
```

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

```
.background{ background-color: rgb(0, 230,  
29) }
```

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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