

Converting Colors

XYZ(28.7345, 56.7690, 11.7330)

Have a look what the booklet for
XYZ(28.7345, 56.7690, 11.7330)
contains.

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Color

**XYZ(28.7329, 56.7680,
11.7285)**

Conversions

Conversions Part 1

Format	Color
Hex	00E62B
RGB	0, 230, 43
RGB Percent	0%, 90%, 17%
CMY	1.0000, 0.0980, 0.8313
CMYK	1.00, 0.00, 0.81, 0.10
HSL	131°, 100%, 45%
HSV	131°, 100%, 90%
XYZ	28.7329, 56.7680, 11.7285
YIQ	139.9120, -77.0530, -106.9170

Conversions

Conversions Part 2

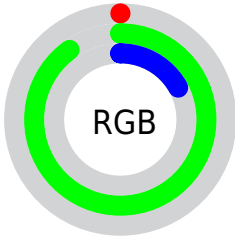
Format	Color
RYB	0, 194, 230
Decimal	58923
CIELab	80.05, -78.43, 70.44
CIELCh	80, 105.422, 138.073
Yxy	56.7680, 0.2955, 0.5839
Android (android.graphics.Color)	4278249003 (0xFF00E62B)
YUV	139.9120, -47.7776, -122.7028
Hunter-Lab	75.3445, -63.7814, 43.5118

Details

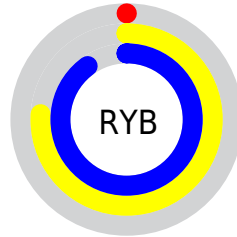
The XYZ color **28.7329, 56.7680, 11.7285** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.6043, 20.4117, 48.7618**, and the grayscale version is **25.0965, 26.4035, 28.7534**.

A 20% lighter version of the original color is **44.9919, 75.9847, 25.6598**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.7340, 56.7703, 11.7292**, and if you desaturate by 10%, it is **29.5130, 57.1227, 13.9861**.

Distribution



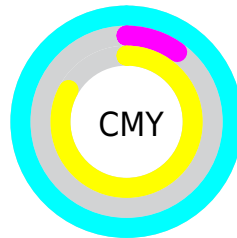
- Red (0%)
- Green (90%)
- Blue (17%)



- Red (0%)
- Yellow (76%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7329, 56.7680, 11.7285 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 28.7329, 56.7680, 11.7285 by changing the saturation by 10% instead.

■ 28.7329, 56.7680,
11.7285

■ 28.7329, 56.7680,
11.7285

287.9696,
412.5794, 213.5132

■ 19.0221, 40.8190,
6.4388

■ 57.0529, 100.1266,
29.6566

■ 11.7904, 28.1777,
3.0406

■ 76.3929, 128.3050,
43.1321

■ 6.6723, 18.4596,
1.1154

■ 99.6734, 161.3286,
60.1733

■ 3.3025, 11.2805,
0.0000

■ 127.2596,
199.5819, 81.1987

■ 1.3157, 6.2558,
0.0000

■ 159.5170,
243.4492, 106.6268

■ 0.1949, 3.0013,
0.0000

■ 196.8109,

■ 0.0000, 1.1324,

293.3150, 136.8763

0.0000

239.5066,
349.5636, 172.3656

■ 0.0000, 0.0054,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.7329, 56.7680,
11.7285

■ 28.7329, 56.7680,
11.7285

■ 28.7340, 56.7703,
11.7292

■ 29.5130, 57.1227,
13.9861

■ 30.8882, 57.7621,
17.1903

■ 33.0102, 58.7643,
21.4348

■ 35.9712, 60.1751,
26.7995

■ 39.8497, 62.0334,
33.3564

■ 44.7149, 64.3736,
41.1716

■ 50.6292, 67.2265,
50.3061

■ 57.6499, 70.6204,
60.8170

■ 65.8300, 74.5816,
72.7582

Harmonies

Analogous

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



42.1527, 56.7680, 3.8039



28.7329, 56.7680, 11.7285



22.8410, 56.7680, 40.4837

Triad

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



28.7329, 56.7680, 11.7285



45.8784, 56.7680, 264.1822



103.3919, 56.7680, 31.9457

Complementary

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



28.7329, 56.7680, 11.7285



41.6043, 20.4117, 48.7618

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.



105.1666, 56.7680, 89.5568



28.7329, 56.7680, 11.7285



67.7801, 56.7680, 255.6483

Square

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



28.7329, 56.7680, 11.7285



30.8353, 56.7680, 197.8005



90.7992, 56.7680, 178.9950



86.4493, 56.7680, 9.0145

Rectangle

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



28.7329, 56.7680, 11.7285



22.5707, 56.7680, 79.9149



90.7992, 56.7680, 178.9950



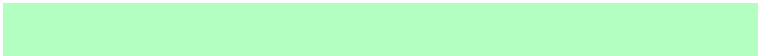
105.9194, 56.7680, 46.6707

Sweetspot

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



28.7342, 56.7703, 11.7298



63.8387, 84.8857, 63.3569



48.9971, 67.2666, 10.4016



12.9523, 17.8255, 12.4715



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.



28.7342, 56.7703, 11.7298



36.2869, 71.7307, 14.6944



34.3985, 59.0361, 41.5574



14.2989, 16.1330, 15.8385



16.2998, 32.1520, 6.8133



1.2361, 2.3885, 0.6697

Inverse Universe

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



41.6043, 20.4117, 48.7618



52.5420, 25.7808, 61.4456



33.8318, 17.3027, 7.8322



14.8735, 14.5666, 17.5340



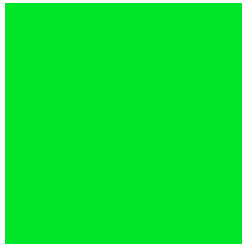
23.5956, 11.5725, 27.8291



1.7736, 0.8672, 2.2145

Previews

White Background



This preview shows how the XYZ color 28.7329, 56.7680, 11.7285 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 28.7329, 56.7680, 11.7285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

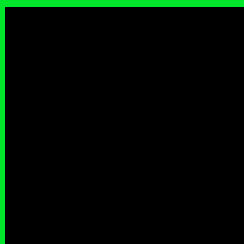
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7329, 56.7680, 11.7285

Background



This preview shows how black text looks on a background with the XYZ color 28.7329, 56.7680, 11.7285.



This preview shows how white text looks on a background with the XYZ color 28.7329, 56.7680,

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

28.7329, 56.7680, 11.7285

Protanopia

50.0738, 55.4201, 9.5714

Deuteranopia

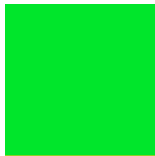
56.7018, 55.5036, 12.5753



Tritanopia

43.2942, 56.3495, 84.1960

Trichromacy



Original Color

28.7329, 56.7680, 11.7285



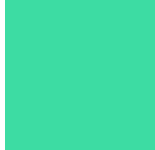
Protanomaly

34.1189, 51.3972, 9.8727



Deuteranomaly

35.9744, 50.1655, 11.5282



Tritanomaly

34.1285, 54.8228, 43.4334

Monochromacy



Original Color

28.7329, 56.7680, 11.7285



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.6132, 33.0309, 18.6011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7329, 56.7680, 11.7285 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 43) }
```

Border

The CSS property to change the border of an element to XYZ 28.7329, 56.7680, 11.7285 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, 43) }
```


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

```
.border{ border-color:rgb(0, 230, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7329, 56.7680, 11.7285 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, 43) }
```

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

```
.background{ background-color: rgb(0, 230,  
43) }
```

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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