

Converting Colors

XYZ(28.8976, 55.6504, 10.3172)

Have a look what the booklet for
XYZ(28.8976, 55.6504, 10.3172)
contains.

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Color

**XYZ(28.8976, 55.6504,
10.3172)**

Conversions

Conversions Part 1

Format	Color
Hex	30E31C
RGB	48, 227, 28
RGB Percent	19%, 89%, 11%
CMY	0.8118, 0.1098, 0.8901
CMYK	0.79, 0.00, 0.88, 0.11
HSL	114°, 78%, 50%
HSV	114°, 88%, 89%
XYZ	28.8976, 55.6504, 10.3172
YIQ	150.7930, -42.8050, -99.8370

Conversions

Conversions Part 2

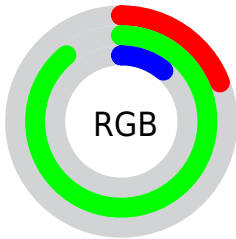
Format	Color
R_{YB}	28, 227, 207
Decimal	3203868
CIE Lab	79.41, -75.06, 73.33
CIE LCh	79, 104.932, 135.668
Yxy	55.6504, 0.3046, 0.5866
Android (android.graphics.Color)	4281393948 (0xFF30E31C)
YUV	150.7930, -60.5369, -90.1495
Hunter-Lab	74.5992, -61.4028, 44.0195

Details

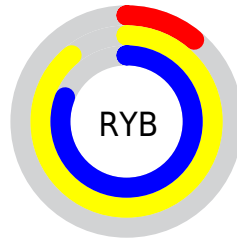
The XYZ color **28.8976, 55.6504, 10.3172** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **40.0189, 19.6457, 74.3588**, and the grayscale version is **29.5924, 31.1335, 33.9044**.

A 20% lighter version of the original color is **46.4755, 76.8001, 23.4407**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.9668, 55.1931, 9.3319**, and if you desaturate by 10%, it is **30.4748, 56.4211, 12.3833**.

Distribution



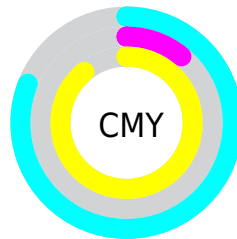
- Red (19%)
- Green (89%)
- Blue (11%)



- Red (11%)
- Yellow (89%)
- Blue (81%)



- Cyan (79%)
- Magenta (0%)
- Yellow (88%)
- Black (11%)





- Cyan (81%)
- Magenta (11%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8976, 55.6504, 10.3172 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 28.8976, 55.6504, 10.3172 by changing the saturation by 10% instead.


 28.8976, 55.6504,
10.3172


 28.8976, 55.6504,
10.3172


288.7344,
408.3727, 203.4876


 19.1473, 39.9227,
5.5014


 57.3130, 98.4932,
27.0075


 11.8814, 27.4783,
2.4805


 76.7089, 126.3772,
39.7192


 6.7346, 17.9327,
0.8298


 100.0505,
159.0820, 55.8998

 3.3415, 10.9017,
0.0000

 127.7034,
196.9920, 75.9681

 1.3368, 6.0008,
0.0000

 160.0329,
240.4917, 100.3424

 0.2105, 2.8456,
0.0000

 197.4043,

 0.0000, 1.0516,

289.9655, 129.4414

0.0000

240.1831,
345.7976, 163.6837

■ 0.0000, 0.0000,
0.0000

■ 28.8976, 55.6504,
10.3172

■ 28.8976, 55.6504,
10.3172

■ 27.9668, 55.1931,
9.3319

■ 30.4748, 56.4211,
12.3833

■ 27.8190, 55.1202,
9.1731

■ 32.7912, 57.5430,
15.7544

■ 35.9257, 59.0549,
20.5996

■ 39.9461, 60.9886,
27.0616

■ 44.9130, 63.3727,
35.2663

■ 50.8815, 66.2331,
45.3274

■ 57.9027, 69.5938,
57.3486

■ 66.0239, 73.4773,
71.4262

■ 75.2898, 77.9045,
87.6501

Harmonies

Analogous

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



42.6961, 55.6504, 3.4807



28.8976, 55.6504, 10.3172



22.5653, 55.6504, 36.1851

Triad

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



28.8976, 55.6504, 10.3172



43.4917, 55.6504, 256.6666



102.2369, 55.6504, 34.3640

Complementary

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



28.8976, 55.6504, 10.3172



40.0189, 19.6457, 74.3588

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.



102.6167, 55.6504, 94.0663



28.8976, 55.6504, 10.3172



64.5988, 55.6504, 254.8385

Square

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



28.8976, 55.6504, 10.3172



29.3461, 55.6504, 187.1318



87.4613, 55.6504, 183.1056



86.5309, 55.6504, 9.7408

Rectangle

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



28.8976, 55.6504, 10.3172



21.9688, 55.6504, 72.7826



87.4613, 55.6504, 183.1056



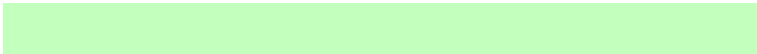
104.2776, 55.6504, 49.8480

Sweetspot

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



28.8989, 55.6527, 10.3185



67.5112, 86.8310, 61.1754



53.4323, 59.5008, 9.7682



13.8226, 18.2848, 12.0279



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.



28.8989, 55.6527, 10.3185



36.1761, 71.7345, 11.9395



30.4632, 56.1930, 22.4159



14.3229, 16.1580, 15.2684



16.2682, 32.1680, 5.3516



1.2479, 2.4007, 0.3976

Inverse Universe

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



40.0189, 19.6457, 74.3588



50.4877, 23.9423, 96.5681



37.6591, 19.3882, 30.9186



14.8450, 14.5378, 18.1680



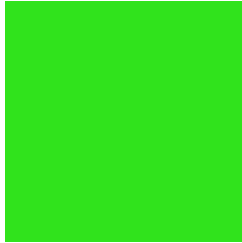
22.6982, 10.7673, 43.2651



1.7188, 0.8170, 3.1991

Previews

White Background



This preview shows how the XYZ color 28.8976, 55.6504, 10.3172 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 28.8976, 55.6504, 10.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

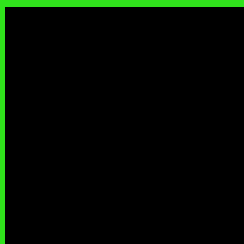
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8976, 55.6504, 10.3172

Background



This preview shows how black text looks on a background with the XYZ color 28.8976, 55.6504, 10.3172.



This preview shows how white text looks on a background with the XYZ color 28.8976, 55.6504,

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

28.8976, 55.6504, 10.3172

Protanopia

49.1238, 54.2833, 8.3788

Deuteranopia

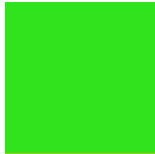
55.6947, 54.3862, 11.1766



Tritanopia

43.0068, 55.1330, 81.7738

Trichromacy



Original Color

28.8976, 55.6504, 10.3172



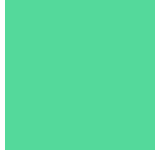
Protanomaly

36.3437, 51.8443, 8.7532



Deuteranomaly

38.3615, 50.3823, 10.1855



Tritanomaly

34.3854, 53.8771, 39.5974

Monochromacy



Original Color

28.8976, 55.6504, 10.3172



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.6610, 36.8582, 19.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8976, 55.6504, 10.3172 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(48, 227, 28)` looks like.

```
.text, #text, p{  
    color:rgb(48, 227, 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(48, 227, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 227, 28) }
```

Border

The CSS property to change the border of an element to XYZ 28.8976, 55.6504, 10.3172 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(48, 227, 28) }
```


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

```
.border{ border-color:rgb(48, 227, 28) }
```

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

Here you see how a box with a 4 pixel rgb(48, 227, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 227, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 227, 28);  
box-shadow:4px 4px 4px 4px rgb(48, 227,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8976, 55.6504, 10.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 227, 28) }
```

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

```
.background{ background-color: rgb(48, 227,  
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](#).

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