

Converting Colors

XYZ(28.5873, 55.4791, 9.9963)

Have a look what the booklet for
XYZ(28.5873, 55.4791, 9.9963)
contains.

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Color

**XYZ(28.6200, 55.5136,
10.0174)**

Conversions

Conversions Part 1

Format	Color
Hex	2BE317
RGB	43, 227, 23
RGB Percent	17%, 89%, 9%
CMY	0.8314, 0.1098, 0.9097
CMYK	0.81, 0.00, 0.90, 0.11
HSL	114°, 82%, 49%
HSV	114°, 90%, 89%
XYZ	28.6200, 55.5136, 10.0174
YIQ	148.7280, -44.1800, -102.4520

Conversions

Conversions Part 2

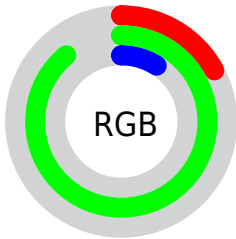
Format	Color
RYB	23, 227, 207
Decimal	2876183
CIELab	79.34, -75.80, 74.09
CIElCh	79, 105.993, 135.656
Yxy	55.5136, 0.3040, 0.5896
Android (android.graphics.Color)	4281066263 (0xFF2BE317)
YUV	148.7280, -61.9839, -92.7235
Hunter-Lab	74.5074, -61.8221, 44.1838

Details

The XYZ color **28.6200, 55.5136, 10.0174** 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 **39.9103, 19.4281, 74.3225**, and the grayscale version is **28.7201, 30.2158, 32.9050**.

A 20% lighter version of the original color is **46.0480, 76.5954, 22.7133**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.8145, 55.1177, 9.1819**, and if you desaturate by 10%, it is **30.0383, 56.2080, 11.8217**.

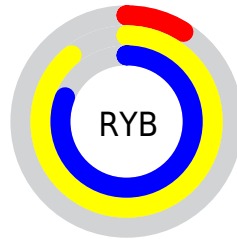
Distribution



Red (17%)

Green (89%)

Blue (9%)



Red (9%)

Yellow (89%)

Blue (81%)

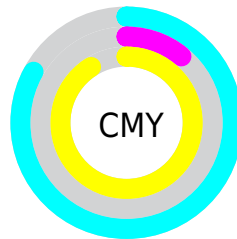


Cyan (81%)

Magenta (0%)

Yellow (90%)

Black (11%)



Cyan (83%)


Magenta (11%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6200, 55.5136, 10.0174 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 28.6200, 55.5136, 10.0174 by changing the saturation by 10% instead.


 28.6200, 55.5136,
10.0174


 28.6200, 55.5136,
10.0174


287.4444,
407.8559, 201.2855


 18.9364, 39.8131,
5.3047


 56.8745, 98.2931,
26.4366

 11.7280, 27.3928,
2.3653


 76.1762, 126.1408,
38.9801

 6.6297, 17.8685,
0.7675


 99.4145, 158.8063,
54.9711

 3.2758, 10.8556,
0.0000

 126.9549,
196.6742, 74.8280

 1.3013, 5.9698,
0.0000

 159.1628,
240.1286, 98.9693

 0.1842, 2.8267,
0.0000

 196.4034,

 0.0000, 1.0420,

289.5542, 127.8137

0.0000

239.0422,
345.3351, 161.7796

■ 0.0000, 0.0000,
0.0000

■ 28.6200, 55.5136,
10.0174

■ 28.6200, 55.5136,
10.0174

■ 27.8145, 55.1177,
9.1819

■ 30.0383, 56.2080,
11.8217


■ 27.8063, 55.1137,
9.1725


■ 32.1784, 57.2455,
14.8894

■ 35.1226, 58.6666,
19.3969

■ 38.9410, 60.5041,
25.4915

■ 43.6958, 62.7874,
33.3025

 49.4438, 65.5431,
42.9459

 56.2369, 68.7958,
54.5274

 64.1237, 72.5683,
68.1449

 73.1496, 76.8822,
83.8896

Harmonies

Analogous

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



42.4950, 55.5136, 3.2930



28.6200, 55.5136, 10.0174



22.2694, 55.5136, 35.8577

Triad

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



28.6200, 55.5136, 10.0174



43.2816, 55.5136, 259.2406



102.6504, 55.5136, 34.0623

Complementary

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



28.6200, 55.5136, 10.0174



39.9103, 19.4281, 74.3225

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.



103.0280, 55.5136, 94.2876



28.6200, 55.5136, 10.0174



64.5669, 55.5136, 257.4154

Square

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



28.6200, 55.5136, 10.0174



29.0620, 55.5136, 188.5599



87.6802, 55.5136, 184.5461



86.7559, 55.5136, 9.4569

Rectangle

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



28.6200, 55.5136, 10.0174



21.6706, 55.5136, 72.7171



87.6802, 55.5136, 184.5461



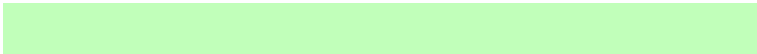
104.7150, 55.5136, 49.6374

Sweetspot

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



28.6213, 55.5159, 10.0186



66.6044, 86.3952, 59.7035



54.0520, 60.8281, 9.7037



13.6467, 18.2002, 11.7464



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.



28.6213, 55.5159, 10.0186



36.1604, 71.7264, 11.9387



30.3538, 56.1347, 22.4955



14.3196, 16.1563, 15.2682



16.2600, 32.1638, 5.3513



1.2464, 2.3999, 0.3975

Inverse Universe

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



39.9103, 19.4281, 74.3225



50.6893, 24.0462, 96.5775



37.1290, 19.0020, 28.6646



14.8486, 14.5397, 18.1682



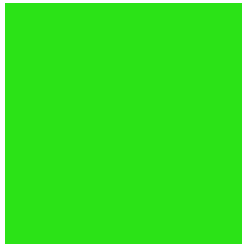
22.7868, 10.8129, 43.2693



1.7244, 0.8199, 3.1993

Previews

White Background



This preview shows how the XYZ color 28.6200, 55.5136, 10.0174 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 28.6200, 55.5136, 10.0174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

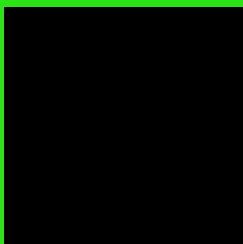
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

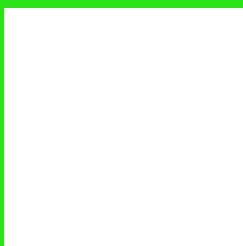
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6200, 55.5136, 10.0174

Background



This preview shows how black text looks on a background with the XYZ color 28.6200, 55.5136, 10.0174.



This preview shows how white text looks on a background with the XYZ color 28.6200, 55.5136,

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

28.6200, 55.5136, 10.0174

Protanopia

49.0522, 54.2546, 8.0017

Deuteranopia

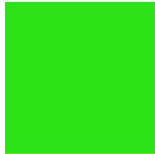
55.2998, 54.1881, 10.9129



Tritanopia

42.7773, 55.0147, 81.7631

Trichromacy



Original Color

28.6200, 55.5136, 10.0174



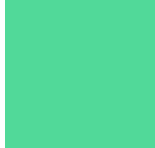
Protanomaly

36.0835, 51.7177, 8.3973



Deuteranomaly

37.8668, 50.1336, 9.8715



Tritanomaly

33.9560, 53.6749, 38.7076

Monochromacy



Original Color

28.6200, 55.5136, 10.0174



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.6007, 35.7386, 18.4336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6200, 55.5136, 10.0174 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(43, 227, 23)` looks like.

```
.text, #text, p{  
    color:rgb(43, 227, 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(43, 227, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 227, 23) }
```

Border

The CSS property to change the border of an element to XYZ 28.6200, 55.5136, 10.0174 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(43, 227, 23) }
```


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

```
.border{ border-color:rgb(43, 227, 23) }
```

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

Here you see how a box with a 4 pixel rgb(43, 227, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 227, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 227, 23);  
box-shadow:4px 4px 4px 4px rgb(43, 227,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6200, 55.5136, 10.0174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 227, 23) }
```

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

```
.background{ background-color: rgb(43, 227,  
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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