

Converting Colors

XYZ(28.2104, 55.2808, 10.2343)

Have a look what the booklet for
XYZ(28.2104, 55.2808, 10.2343)
contains.

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Color

**XYZ(28.2320, 55.3086,
10.2246)**

Conversions

Conversions Part 1

Format	Color
Hex	1FE31B
RGB	31, 227, 27
RGB Percent	12%, 89%, 11%
CMY	0.8784, 0.1098, 0.8941
CMYK	0.86, 0.00, 0.88, 0.11
HSL	119°, 79%, 50%
HSV	119°, 88%, 89%
XYZ	28.2320, 55.3086, 10.2246
YIQ	145.5960, -52.6160, -103.7520

Conversions

Conversions Part 2

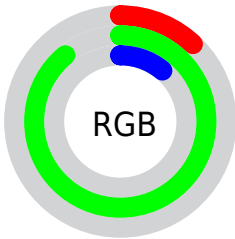
Format	Color
RYB	27, 227, 223
Decimal	2089755
CIELab	79.22, -76.82, 73.26
CIELCh	79, 106.153, 136.356
Yxy	55.3086, 0.3011, 0.5899
Android (android.graphics.Color)	4280279835 (0xFF1FE31B)
YUV	145.5960, -58.4678, -100.5007
Hunter-Lab	74.3698, -62.3855, 43.9074

Details

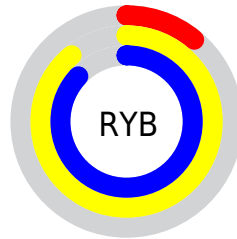
The XYZ color **28.2320, 55.3086, 10.2246** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.6951, 22.0217, 74.5709**, and the grayscale version is **27.4050, 28.8322, 31.3983**.

A 20% lighter version of the original color is **45.4333, 76.2682, 23.1531**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.6034, 55.0063, 9.2863**, and if you desaturate by 10%, it is **29.5211, 55.9319, 12.2255**.

Distribution



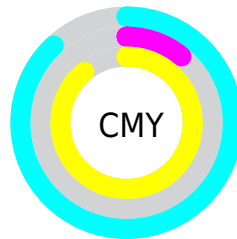
- Red (12%)
- Green (89%)
- Blue (11%)



- Red (11%)
- Yellow (89%)
- Blue (87%)



- Cyan (86%)
- Magenta (0%)
- Yellow (88%)
- Black (11%)





- Cyan (88%)
- Magenta (11%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2320, 55.3086, 10.2246 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 28.2320, 55.3086, 10.2246 by changing the saturation by 10% instead.


 28.2320, 55.3086,
10.2246


 28.2320, 55.3086,
10.2246


285.6339,
407.0807, 202.8104


 18.6420, 39.6489,
5.4406


 56.2607, 97.9930,
26.8315


 11.5143, 27.2649,
2.4448


 75.4300, 125.7864,
39.4915

 6.4837, 17.7722,
0.8107


 98.5232, 158.3931,
55.6138

 3.1848, 10.7866,
0.0000

 125.9056,
196.1976, 75.6171

 1.2522, 5.9235,
0.0000

 157.9425,
239.5842, 99.9198

 0.1470, 2.7986,
0.0000

 194.9992,

 0.0000, 1.0275,

288.9373, 128.9406

0.0000

237.4412,
344.6413, 163.0979

■ 0.0000, 0.0000,
0.0000

■ 28.2320, 55.3086,
10.2246

■ 28.2320, 55.3086,
10.2246

■ 27.6034, 55.0063,
9.2863

■ 29.5211, 55.9319,
12.2255


■ 27.5268, 54.9696,
9.1594


■ 31.5942, 56.9297,
15.5256

■ 34.5505, 58.3512,
20.2961


■ 38.4740, 60.2366,
26.6815

■ 43.4387, 62.6212,
34.8089

 49.5114, 65.5371,
44.7930

 56.7535, 69.0137,
56.7383

 65.2217, 73.0780,
70.7420

 74.9692, 77.7556,
86.8945

Harmonies

Analogous

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



41.8990, 55.3086, 3.2931



28.2320, 55.3086, 10.2246



22.0588, 55.3086, 36.6547

Triad

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



28.2320, 55.3086, 10.2246



43.5224, 55.3086, 260.0158



102.2248, 55.3086, 32.9517

Complementary

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



28.2320, 55.3086, 10.2246



44.6951, 22.0217, 74.5709

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.



103.0052, 55.3086, 92.1949



28.2320, 55.3086, 10.2246



64.9125, 55.3086, 256.2404

Square

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



28.2320, 55.3086, 10.2246



29.1434, 55.3086, 190.4796



87.9553, 55.3086, 182.1802



86.0456, 55.3086, 9.0722

Rectangle

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



28.2320, 55.3086, 10.2246



21.5580, 55.3086, 74.1016



87.9553, 55.3086, 182.1802



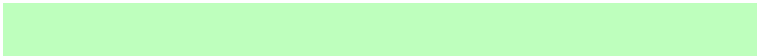
104.4215, 55.3086, 48.1931

Sweetspot

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



28.2333, 55.3109, 10.2258



66.1533, 86.1310, 61.1119



57.5598, 67.7746, 11.0859



13.5116, 18.1245, 12.0133



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.



28.2333, 55.3109, 10.2258



35.8236, 71.5528, 11.9230



31.3336, 56.5380, 27.1402



14.2157, 16.1028, 15.2633



16.0646, 32.0631, 5.3421



1.1965, 2.3742, 0.3952

Inverse Universe

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



44.6951, 22.0217, 74.5709



57.4450, 27.5289, 96.8937



36.3526, 18.8283, 24.1541



14.9652, 14.5998, 18.1736



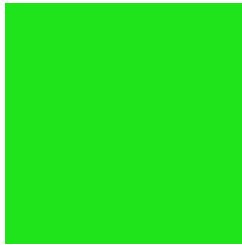
25.7525, 12.3418, 43.4081



1.9121, 0.9167, 3.2081

Previews

White Background



This preview shows how the XYZ color 28.2320, 55.3086, 10.2246 looks on a white background.

Color Contrast Check

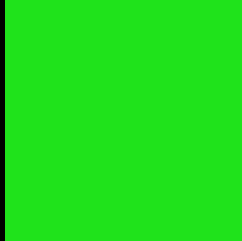
Large Text (above 18pt) WCAG AA × Fail

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 28.2320, 55.3086, 10.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

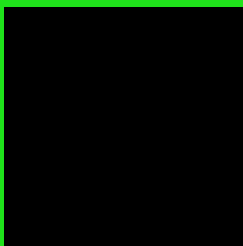
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2320, 55.3086, 10.2246

Background



This preview shows how black text looks on a background with the XYZ color 28.2320, 55.3086, 10.2246.



This preview shows how white text looks on a background with the XYZ color 28.2320, 55.3086,

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

28.2320, 55.3086, 10.2246

Protanopia

48.8078, 54.1220, 8.2896

Deuteranopia

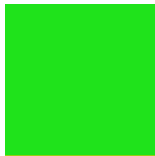
55.1383, 53.7899, 11.0908



Tritanopia

42.4434, 54.8426, 81.7475

Trichromacy



Original Color

28.2320, 55.3086, 10.2246



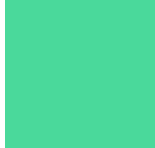
Protanomaly

35.1929, 51.2520, 8.6539



Deuteranomaly

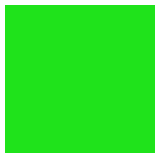
37.0643, 49.7135, 10.1248



Tritanomaly

33.5533, 53.4481, 39.5584

Monochromacy



Original Color

28.2320, 55.3086, 10.2246



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.4871, 34.5823, 18.2691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2320, 55.3086, 10.2246 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(31, 227, 27)` looks like.

```
.text, #text, p{  
    color:rgb(31, 227, 27)  
}
```

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(31, 227, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 227, 27) }
```

Border

The CSS property to change the border of an element to XYZ 28.2320, 55.3086, 10.2246 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(31, 227, 27) }
```


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

```
.border{ border-color:rgb(31, 227, 27) }
```

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

Here you see how a box with a 4 pixel rgb(31, 227, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 227, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 227, 27);  
box-shadow:4px 4px 4px 4px rgb(31, 227,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2320, 55.3086, 10.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 227, 27) }
```

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

```
.background{ background-color: rgb(31, 227,  
27) }
```

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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