

Converting Colors

XYZ(29.3093, 55.7853, 13.1647)

Have a look what the booklet for
XYZ(29.3093, 55.7853, 13.1647)
contains.

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Color

**XYZ(29.3150, 55.8015,
13.2287)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE33A
RGB	45, 227, 58
RGB Percent	18%, 89%, 23%
CMY	0.8235, 0.1098, 0.7725
CMYK	0.80, 0.00, 0.74, 0.11
HSL	124°, 76%, 53%
HSV	124°, 80%, 89%
XYZ	29.3150, 55.8015, 13.2287
YIQ	153.3160, -54.2230, -91.1430

Conversions

Conversions Part 2

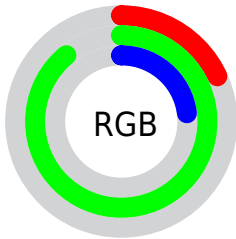
Format	Color
RYB	45, 215, 227
Decimal	3007290
CIELab	79.50, -73.82, 65.60
CIELCh	80, 98.756, 138.374
Yxy	55.8015, 0.2981, 0.5674
Android (android.graphics.Color)	4281197370 (0xFF2DE33A)
YUV	153.3160, -46.9908, -94.9931
Hunter-Lab	74.7004, -60.6762, 41.7906

Details

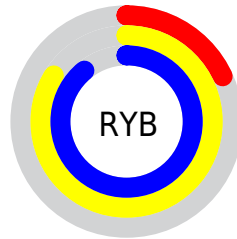
The XYZ color **29.3150, 55.8015, 13.2287** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.7557, 23.0634, 65.7104**, and the grayscale version is **30.6330, 32.2283, 35.0966**.

A 20% lighter version of the original color is **47.0808, 76.9919, 28.9025**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.1405, 55.2475, 10.9250**, and if you desaturate by 10%, it is **31.2477, 56.7243, 16.7153**.

Distribution



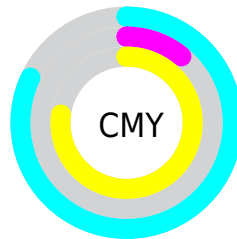
- Red (18%)
- Green (89%)
- Blue (23%)



- Red (18%)
- Yellow (84%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3150, 55.8015, 13.2287 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 29.3150, 55.8015, 13.2287 by changing the saturation by 10% instead.

■ 29.3150, 55.8015,
13.2287

■ 29.3150, 55.8015,
13.2287

290.6658,
408.9430, 223.6373

■ 19.4647, 40.0438,
7.4536

■ 57.9713, 98.7143,
32.4112

■ 12.1125, 27.5727,
3.6647

■ 77.5080, 126.6382,
46.6558

■ 6.8931, 18.0038,
1.4432

■ 101.0043,
159.3862, 64.5606

■ 3.4411, 10.9527,
0.1751

■ 128.8254,
197.3429, 86.5442

■ 1.3911, 6.0350,
0.0000

■ 161.3367,
240.8924, 113.0251

■ 0.2499, 2.8664,
0.0000

198.9037,

■ 0.0000, 1.0624,

290.4194, 144.4219

0.0000

241.8916,
346.3081, 181.1531

■ 0.0000, 0.0000,
0.0000

■ 29.3150, 55.8015,
13.2287

■ 29.3150, 55.8015,
13.2287

■ 28.1405, 55.2475,
10.9250

■ 31.2477, 56.7243,
16.7153

■ 27.5654, 54.9784,
9.6580

■ 34.0340, 58.0575,
21.5105

■ 37.7595, 59.8443,
27.7279

■ 42.4981, 62.1207,
35.4679

■ 48.3166, 64.9193,
44.8218

■ 55.2759, 68.2695,
55.8738

■ 63.4324, 72.1988,
68.7020

■ 72.8387, 76.7329,
83.3799

■ 83.5445, 81.8956,
99.9767

Harmonies

Analogous

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



41.8920, 55.8015, 4.8580



29.3150, 55.8015, 13.2287



23.7462, 55.8015, 41.2829

Triad

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



29.3150, 55.8015, 13.2287



45.7110, 55.8015, 243.0622



98.1378, 55.8015, 32.4023

Complementary

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



29.3150, 55.8015, 13.2287



44.7557, 23.0634, 65.7104

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.



99.9010, 55.8015, 85.5595



29.3150, 55.8015, 13.2287



66.0032, 55.8015, 234.7655

Square

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



29.3150, 55.8015, 13.2287



31.5073, 55.8015, 184.5883



86.9942, 55.8015, 166.1520



82.6498, 55.8015, 10.2013

Rectangle

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



29.3150, 55.8015, 13.2287



23.5267, 55.8015, 78.1106



86.9942, 55.8015, 166.1520



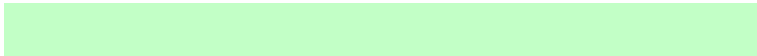
100.4758, 55.8015, 46.1874

Sweetspot

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



29.3163, 55.8038, 13.2300



68.1699, 87.0481, 66.7398



55.9302, 69.5573, 12.9609



13.9050, 18.3016, 13.1945



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.



29.3163, 55.8038, 13.2300



36.0936, 71.6682, 13.0104



33.9085, 57.6407, 37.4122



14.2309, 16.1058, 15.4807



16.0911, 32.0686, 5.7143



1.2038, 2.3756, 0.4997

Inverse Universe

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



44.7557, 23.0634, 65.7104



56.7111, 27.6256, 82.8535



36.2481, 19.6604, 20.9098



14.9483, 14.5965, 17.9283



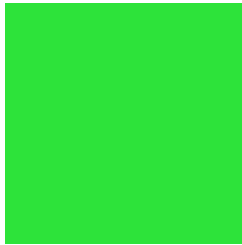
25.3346, 12.2681, 36.9867



1.8855, 0.9119, 2.8037

Previews

White Background



This preview shows how the XYZ color 29.3150, 55.8015, 13.2287 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 29.3150, 55.8015, 13.2287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

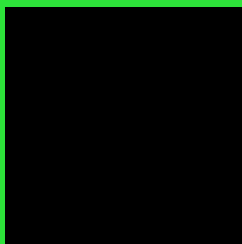
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3150, 55.8015, 13.2287

Background



This preview shows how black text looks on a background with the XYZ color 29.3150, 55.8015, 13.2287.



This preview shows how white text looks on a background with the XYZ color 29.3150, 55.8015,

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

29.3150, 55.8015, 13.2287

Protanopia

49.3042, 54.3206, 10.9039

Deuteranopia

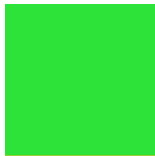
55.5811, 54.2606, 14.2005



Tritanopia

43.1658, 55.5689, 82.5795

Trichromacy



Original Color

29.3150, 55.8015, 13.2287



Protanomaly

36.6657, 51.9506, 11.4631



Deuteranomaly

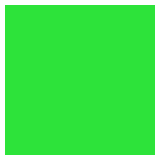
38.5230, 50.3962, 13.3273



Tritanomaly

35.1812, 54.1651, 45.1599

Monochromacy



Original Color

29.3150, 55.8015, 13.2287



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.5307, 37.5279, 22.9848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3150, 55.8015, 13.2287 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(45, 227, 58)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 58)  
}
```

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(45, 227, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.3150, 55.8015, 13.2287 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(45, 227, 58) }
```


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

```
.border{ border-color:rgb(45, 227, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 58);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3150, 55.8015, 13.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 58) }
```

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

```
.background{ background-color: rgb(45, 227,  
58) }
```

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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