

Converting Colors

XYZ(29.1951, 55.6725, 17.9981)

Have a look what the booklet for
XYZ(29.1951, 55.6725, 17.9981)
contains.

XYZ(29.1738, 55.6230, 18.0028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1738, 55.6230,
18.0028)**

Conversions

Conversions Part 1

Format	Color
Hex	02E356
RGB	2, 227, 86
RGB Percent	1%, 89%, 34%
CMY	0.9922, 0.1098, 0.6627
CMYK	0.99, 0.00, 0.62, 0.11
HSL	142°, 98%, 45%
HSV	142°, 99%, 89%
XYZ	29.1738, 55.6230, 18.0028
YIQ	143.6510, -88.8390, -91.5510

Conversions

Conversions Part 2

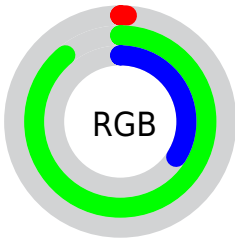
Format	Color
RYB	2, 166, 227
Decimal	189270
CIELab	79.40, -73.92, 54.71
CIELCh	79, 91.966, 143.496
Yxy	55.6230, 0.2838, 0.5411
Android (android.graphics.Color)	4278379350 (0xFF02E356)
YUV	143.6510, -28.4219, -124.2279
Hunter-Lab	74.5808, -60.6926, 37.8948

Details

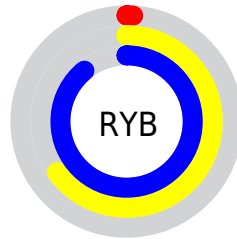
The XYZ color **29.1738, 55.6230, 18.0028** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **36.6596, 18.3582, 27.5984**, and the grayscale version is **26.5062, 27.8866, 30.3685**.

A 20% lighter version of the original color is **46.8003, 76.6647, 37.1421**, and **14.5965, 28.8382, 5.9594** is the 20% darker color. If you saturate the color by 10%, you get **29.1000, 55.5923, 17.7390**, and if you desaturate by 10%, it is **30.1752, 56.0679, 21.3467**.

Distribution



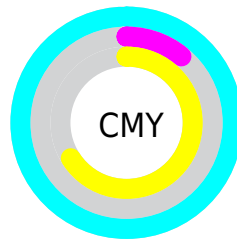
- Red (1%)
- Green (89%)
- Blue (34%)



- Red (1%)
- Yellow (65%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (62%)
- Black (11%)



- Cyan (99%)
- Magenta (11%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1738, 55.6230, 18.0028 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 29.1738, 55.6230, 18.0028 by changing the saturation by 10% instead.

■ 29.1738, 55.6230,
18.0028

■ 29.1738, 55.6230,
18.0028

290.0135,
408.2692, 253.1235

■ 19.3573, 39.9007,
10.7825

■ 57.7488, 98.4531,
40.8561

■ 12.0343, 27.4612,
5.8085

■ 77.2379, 126.3298,
57.3262

■ 6.8394, 17.9199,
2.6621

■ 100.6820,
159.0268, 77.7167

■ 3.4073, 10.8925,
0.9242

■ 128.4463,
196.9284, 102.4461

■ 1.3726, 5.9946,
0.0000

■ 160.8963,
240.4190, 131.9329

■ 0.2366, 2.8418,
0.0000

198.3972,

■ 0.0000, 1.0497,

289.8831, 166.5957

0.0000

241.3145,
345.7050, 206.8531

■ 0.0000, 0.0000,
0.0000

■ 29.1738, 55.6230,
18.0028

■ 29.1738, 55.6230,
18.0028

■ 29.1000, 55.5923,
17.7390

■ 30.1752, 56.0679,
21.3467

■ 31.7244, 56.7796,
25.3433

■ 33.9446, 57.8228,
30.0295

■ 36.9153, 59.2376,
35.4376

■ 40.7038, 61.0583,
41.5972

■ 45.3699, 63.3150,
48.5363

■ 50.9674, 66.0349,
56.2815

■ 57.5456, 69.2431,
64.8579

■ 65.1504, 72.9626,
74.2897

Harmonies

Analogous

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



39.9495, 55.6230, 7.0050



29.1738, 55.6230, 18.0028



24.8757, 55.6230, 49.7697

Triad

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



29.1738, 55.6230, 18.0028



48.9507, 55.6230, 227.9558



92.5277, 55.6230, 28.4198

Complementary

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



29.1738, 55.6230, 18.0028



36.6596, 18.3582, 27.5984

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.



96.5235, 55.6230, 72.8160



29.1738, 55.6230, 18.0028



68.3085, 55.6230, 209.6696

Square

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



29.1738, 55.6230, 18.0028



34.4493, 55.6230, 184.4214



86.8140, 55.6230, 143.3278



76.9018, 55.6230, 10.1074

Rectangle

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



29.1738, 55.6230, 18.0028



25.3329, 55.6230, 87.5003



86.8140, 55.6230, 143.3278



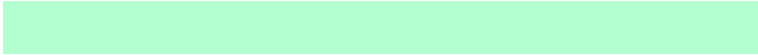
95.4057, 55.6230, 39.8148

Sweetspot

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



29.1751, 55.6253, 18.0041



65.5049, 85.5522, 72.1311



39.0708, 60.9195, 9.7569



13.3386, 17.9800, 14.5059



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.



29.1751, 55.6253, 18.0041



37.8348, 72.3499, 22.8456



37.5737, 58.9847, 62.2304



14.4107, 16.1777, 16.4277



17.0225, 32.4411, 10.6186



1.3017, 2.4148, 1.0154

Inverse Universe

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



36.6596, 18.3582, 27.5984



47.5675, 23.7910, 35.2501



31.9623, 16.4793, 2.8628



14.7550, 14.5192, 16.9100



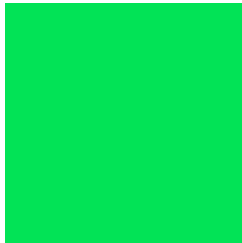
21.3918, 10.6909, 16.2240



1.6254, 0.8079, 1.4339

Previews

White Background



This preview shows how the XYZ color 29.1738, 55.6230, 18.0028 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 29.1738, 55.6230, 18.0028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

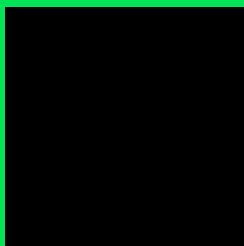
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1738, 55.6230, 18.0028

Background



This preview shows how black text looks on a background with the XYZ color 29.1738, 55.6230, 18.0028.



This preview shows how white text looks on a background with the XYZ color 29.1738, 55.6230,

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

29.1738, 55.6230, 18.0028

Protanopia

49.4699, 54.3177, 14.8982

Deuteranopia

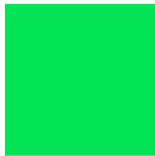
55.6987, 54.5249, 19.1440



Tritanopia

42.3916, 55.5258, 83.3462

Trichromacy



Original Color

29.1738, 55.6230, 18.0028



Protanomaly

34.4083, 50.6938, 15.5608



Deuteranomaly

36.0439, 49.3537, 18.2162



Tritanomaly

34.9109, 54.2870, 50.7579

Monochromacy



Original Color

29.1738, 55.6230, 18.0028



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.1248, 33.9775, 24.0784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1738, 55.6230, 18.0028 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(2, 227, 86)` looks like.

```
.text, #text, p{  
    color:rgb(2, 227, 86)  
}
```

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(2, 227, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 227, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.1738, 55.6230, 18.0028 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(2, 227, 86) }
```


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

```
.border{ border-color:rgb(2, 227, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 227, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 227, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 227, 86);  
box-shadow:4px 4px 4px 4px rgb(2, 227, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1738, 55.6230, 18.0028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 227, 86) }
```

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

```
.background{ background-color: rgb(2, 227,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor