

# Converting Colors

XYZ(29.0598, 55.3534, 9.1527)

Have a look what the booklet for  
XYZ(29.0598, 55.3534, 9.1527)  
contains.

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# Color

**XYZ(29.0598, 55.3534,  
9.1527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CE200
RGB	60, 226, 0
RGB Percent	24%, 89%, 0%
CMY	0.7647, 0.1137, 0.9999
CMYK	0.73, 0.00, 1.00, 0.11
HSL	104°, 100%, 44%
HSV	104°, 100%, 89%
XYZ	29.0598, 55.3534, 9.1527
YIQ	150.6020, -26.3900, -105.4780

# Conversions

## Conversions Part 2

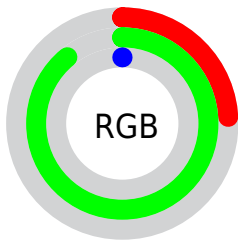
Format	Color
<a href="#">RYB</a>	0, 226, 166
Decimal	3990016
CIELab	79.24, -73.70, 76.60
CIELCh	79, 106.299, 133.893
Yxy	55.3534, 0.3106, 0.5916
Android (android.graphics.Color)	4282180096 (0xFF3CE200)
YUV	150.6020, -74.2468, -79.4580
Hunter-Lab	74.3999, -60.4796, 44.7860

# Details

The XYZ color **29.0598, 55.3534, 9.1527** 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 **29.4620, 13.6029, 73.0274**, and the grayscale version is **29.5630, 31.1026, 33.8707**.

A 20% lighter version of the original color is **47.1126, 77.1784, 21.2179**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **29.0595, 55.3549, 9.1530**, and if you desaturate by 10%, it is **30.3770, 56.0167, 10.0027**.

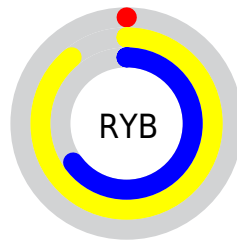
# Distribution



Red (24%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (65%)

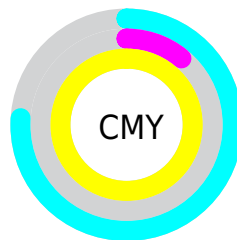


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (76%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0598, 55.3534, 9.1527 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 29.0598, 55.3534, 9.1527 by changing the saturation by 10% instead.





 29.0598, 55.3534,  
9.1527


 29.0598, 55.3534,  
9.1527


289.4861,  
407.2502, 194.7728


 19.2706, 39.6847,  
4.7427


 57.5690, 98.0585,  
24.7715


 11.9711, 27.2928,  
2.0410


 77.0197, 125.8638,  
36.8175

 6.7961, 17.7933,  
0.5803


 100.4215,  
158.4834, 52.2458

 3.3801, 10.8017,  
0.0000

 128.1399,  
196.3017, 71.4752

 1.3578, 5.9336,  
0.0000

 160.5402,  
239.7032, 94.9240

 0.2259, 2.8048,  
0.0000

 197.9878,

 0.0000, 1.0307,

289.0721, 123.0108

0.0000

240.8480,  
344.7930, 156.1543

■ 0.0000, 0.0000,  
0.0000

■ 29.0598, 55.3534,  
9.1527

■ 29.0598, 55.3534,  
9.1527

■ 29.0595, 55.3549,  
9.1530

■ 30.3770, 56.0167,  
10.0027

■ 32.2106, 56.9241,  
11.7959

■ 34.6422, 58.1130,  
14.8331

■ 37.7262, 59.6075,  
19.2867

■ 41.5099, 61.4288,  
25.3017

■ 46.0359, 63.5962,  
33.0052

■ 51.3432, 66.1273,  
42.5112

■ 57.4678, 69.0384,  
53.9239

■ 64.4436, 72.3449,  
67.3394

# Harmonies

## Analogous

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



43.3967, 55.3534, 3.0931



29.0598, 55.3534, 9.1527



22.3057, 55.3534, 33.2810

# Triad

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



29.0598, 55.3534, 9.1527



42.0684, 55.3534, 257.1468



103.0912, 55.3534, 36.3097

# Complementary

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



29.0598, 55.3534, 9.1527



29.4620, 13.6029, 73.0274

# 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.



102.4524, 55.3534, 98.9233



29.0598, 55.3534, 9.1527



63.0469, 55.3534, 260.2393

# Square

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



29.0598, 55.3534, 9.1527



28.3143, 55.3534, 183.2826



86.3365, 55.3534, 190.0796



87.8999, 55.3534, 10.0938



# Rectangle

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



29.0598, 55.3534, 9.1527



21.4642, 55.3534, 68.5703



86.3365, 55.3534, 190.0796



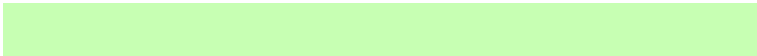
104.8252, 55.3534, 52.6689

# Sweetspot

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



29.0611, 55.3557, 9.1539



67.3466, 86.8694, 55.6011



44.9554, 43.3492, 5.9987



13.7556, 18.2795, 10.7064



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.



29.0611, 55.3557, 9.1539



38.1210, 72.7371, 12.0305



27.8350, 54.6501, 12.4205



13.8682, 15.5122, 14.5700



16.6737, 31.6281, 5.2260



1.2393, 2.2354, 0.3662



# Inverse Universe

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



29.4620, 13.6029, 73.0274



38.6242, 17.8264, 96.0129



38.9354, 19.1980, 41.3294



13.9216, 13.7431, 17.3066



16.9239, 7.8199, 41.6658

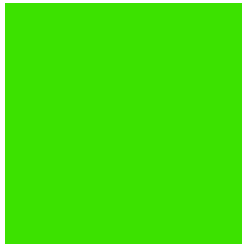


1.2563, 0.5849, 2.8919



# Previews

## White Background



This preview shows how the XYZ color 29.0598, 55.3534, 9.1527 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 29.0598, 55.3534, 9.1527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

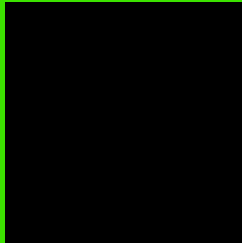
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.0598, 55.3534, 9.1527**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0598, 55.3534, 9.1527.



This preview shows how white text looks on a background with the XYZ color 29.0598, 55.3534,



# 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

29.0598, 55.3534, 9.1527

### Protanopia

48.7285, 54.0903, 7.8722

### Deuteranopia

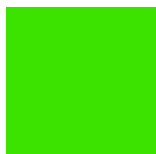
55.5387, 54.3238, 10.3546



## Tritanopia

43.2184, 54.8904, 80.9901

# Trichromacy



## Original Color

29.0598, 55.3534, 9.1527



## Protanomaly

36.7692, 51.7197, 8.0450



## Deuteranomaly

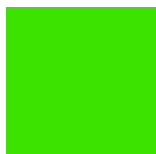
39.2617, 50.8725, 9.0464



## Tritanomaly

33.9043, 53.3495, 34.8961

# Monochromacy



## Original Color

29.0598, 55.3534, 9.1527



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

25.5029, 36.5369, 16.7745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0598, 55.3534, 9.1527 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(60, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 226, 0)  
}
```

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(60, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 226, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0598, 55.3534, 9.1527 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(60, 226, 0) }
```



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

```
.border{ border-color:rgb(60, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(60, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 226, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 29.0598, 55.3534, 9.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 226, 0) }
```

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

```
.background{ background-color: rgb(60, 226,  
0) }
```

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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