

Converting Colors

XYZ(29.3118, 55.4838, 9.1650)

Have a look what the booklet for
XYZ(29.3118, 55.4838, 9.1650)
contains.

XYZ(29.3107, 55.4827, 9.1644)	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(29.3107, 55.4827,
9.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	40E200
RGB	64, 226, 0
RGB Percent	25%, 89%, 0%
CMY	0.7490, 0.1137, 0.9999
CMYK	0.72, 0.00, 1.00, 0.11
HSL	103°, 100%, 44%
HSV	103°, 100%, 89%
XYZ	29.3107, 55.4827, 9.1644
YIQ	151.7980, -24.0060, -104.6300

Conversions

Conversions Part 2

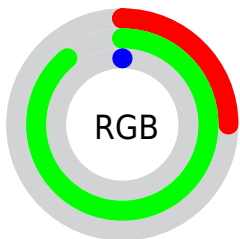
Format	Color
RYB	0, 226, 162
Decimal	4252160
CIELab	79.32, -73.05, 76.69
CIELCh	79, 105.917, 133.606
Yxy	55.4827, 0.3120, 0.5905
Android (android.graphics.Color)	4282442240 (0xFF40E200)
YUV	151.7980, -74.8364, -76.9988
Hunter-Lab	74.4867, -60.1116, 44.8460

Details


The XYZ color **29.3107, 55.4827, 9.1644** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **28.6357, 13.1769, 72.9886**, and the grayscale version is **30.0806, 31.6471, 34.4637**.

A 20% lighter version of the original color is **47.5931, 77.4261, 21.2404**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **29.3104, 55.4842, 9.1647**, and if you desaturate by 10%, it is **30.6738, 56.1697, 10.0165**.

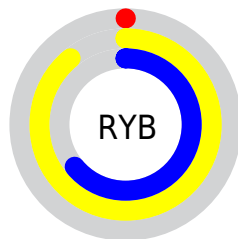
Distribution



 Red (25%)

 Green (89%)

 Blue (0%)




 Red (0%)

 Yellow (89%)

 Blue (64%)

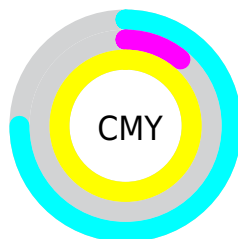



 Cyan (72%)


 Magenta (0%)

 Yellow (100%)

 Black (11%)



 Cyan (75%)


 Magenta (11%)


 Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3107, 55.4827, 9.1644 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 29.3107, 55.4827, 9.1644 by changing the saturation by 10% instead.


 29.3107, 55.4827,
9.1644


 29.3107, 55.4827,
9.1644


290.6459,
407.7391, 194.8626

 19.4614, 39.7883,
4.7503


 57.9645, 98.2478,
24.7942

 12.1102, 27.3735,
2.0453


 77.4998, 126.0874,
36.8471


 6.8915, 17.8540,
0.5830


 100.9944,
158.7441, 52.2832

 3.4401, 10.8452,
0.0000

 128.8138,
196.6024, 71.5212

 1.3905, 5.9628,
0.0000

 161.3233,
240.0466, 94.9796

 0.2495, 2.8225,
0.0000

 198.8883,

 0.0000, 1.0398,

289.4612, 123.0770

0.0000

241.8740,
345.2306, 156.2318

■ 0.0000, 0.0000,
0.0000

■ 29.3107, 55.4827,
9.1644

■ 29.3107, 55.4827,
9.1644

■ 29.3104, 55.4842,
9.1647

■ 30.6738, 56.1697,
10.0165

■ 32.5422, 57.0950,
11.8113

■ 34.9954, 58.2950,
14.8495

■ 38.0858, 59.7928,
19.3033

■ 41.8592, 61.6088,
25.3177

■ 46.3567, 63.7616,
33.0198

■ 51.6159, 66.2679,
42.5234

■ 57.6717, 69.1435,
53.9328

■ 64.5567, 72.4032,
67.3439

Harmonies

Analogous

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



43.7103, 55.4827, 3.1502



29.3107, 55.4827, 9.1644



22.4873, 55.4827, 33.0782

Triad

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



29.3107, 55.4827, 9.1644



42.0411, 55.4827, 256.0260



103.1359, 55.4827, 36.8888

Complementary

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



29.3107, 55.4827, 9.1644



28.6357, 13.1769, 72.9886

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.



102.3350, 55.4827, 99.7370



29.3107, 55.4827, 9.1644



62.9228, 55.4827, 259.8963

Square

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



29.3107, 55.4827, 9.1644



28.3726, 55.4827, 182.0847



86.1613, 55.4827, 190.5968



88.1219, 55.4827, 10.3553

Rectangle

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



29.3107, 55.4827, 9.1644



21.6054, 55.4827, 68.0602



86.1613, 55.4827, 190.5968



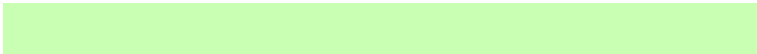
104.8086, 55.4827, 53.3580

Sweetspot

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



29.3120, 55.4850, 9.1656



67.7073, 87.0553, 55.6180



44.2820, 42.0024, 5.7742



13.8391, 18.3225, 10.7103



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.



29.3120, 55.4850, 9.1656



38.4464, 72.9049, 12.0457



27.7521, 54.6169, 11.9842



13.8913, 15.5241, 14.5711



16.8215, 31.7043, 5.2330



1.2522, 2.2420, 0.3668

Inverse Universe

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



28.6357, 13.1769, 72.9886



37.5341, 17.2644, 95.9618



39.3058, 19.3461, 43.2800



13.8971, 13.7305, 17.3055



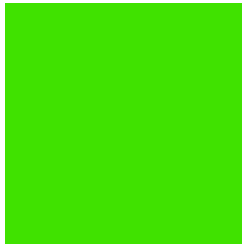
16.4566, 7.5790, 41.6439



1.2270, 0.5698, 2.8906

Previews

White Background



This preview shows how the XYZ color 29.3107, 55.4827, 9.1644 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 29.3107, 55.4827, 9.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

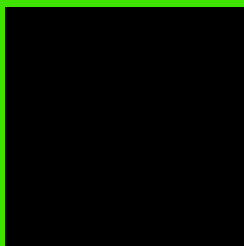
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3107, 55.4827, 9.1644

Background



This preview shows how black text looks on a background with the XYZ color 29.3107, 55.4827, 9.1644.



This preview shows how white text looks on a background with the XYZ color 29.3107, 55.4827,

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

29.3107, 55.4827, 9.1644

Protanopia

49.0303, 54.2459, 7.8863

Deuteranopia

55.5387, 54.3238, 10.3546



Tritanopia

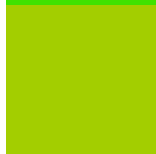
43.4673, 55.0187, 81.0018

Trichromacy



Original Color

29.3107, 55.4827, 9.1644



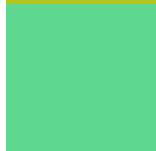
Protanomaly

37.1756, 51.9291, 8.0640



Deuteranomaly

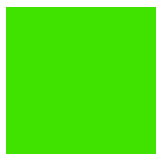
39.4920, 50.9912, 9.0572



Tritanomaly

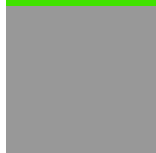
34.2060, 53.5050, 34.9102

Monochromacy



Original Color

29.3107, 55.4827, 9.1644



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.0235, 37.0963, 17.0980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3107, 55.4827, 9.1644 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(64, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.3107, 55.4827, 9.1644 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(64, 226, 0) }
```


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

```
.border{ border-color:rgb(64, 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(64, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 226, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3107, 55.4827, 9.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 0) }
```

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

```
.background{ background-color: rgb(64, 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](#).

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