

Converting Colors

XYZ(29.8412, 55.7340, 9.3578)

Have a look what the booklet for
XYZ(29.8412, 55.7340, 9.3578)
contains.

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Color

**XYZ(29.8278, 55.7455,
9.3602)**

Conversions

Conversions Part 1

Format	Color
Hex	47E206
RGB	71, 226, 6
RGB Percent	28%, 89%, 2%
CMY	0.7216, 0.1137, 0.9763
CMYK	0.69, 0.00, 0.97, 0.11
HSL	102°, 95%, 45%
HSV	102°, 97%, 89%
XYZ	29.8278, 55.7455, 9.3602
YIQ	154.5750, -21.7600, -101.2800

Conversions

Conversions Part 2

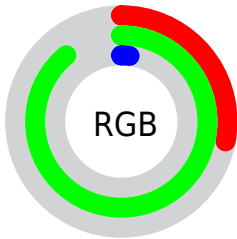
Format	Color
RYB	6, 226, 161
Decimal	4710918
CIELab	79.47, -71.72, 76.33
CIELCh	79, 104.742, 133.217
Yxy	55.7455, 0.3142, 0.5872
Android (android.graphics.Color)	4282900998 (0xFF47E206)
YUV	154.5750, -73.2475, -73.2953
Hunter-Lab	74.6629, -59.3494, 44.8311

Details

The XYZ color **29.8278, 55.7455, 9.3602** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **28.4986, 13.2029, 73.0010**, and the grayscale version is **31.2908, 32.9204, 35.8503**.

A 20% lighter version of the original color is **48.3367, 77.8000, 21.7018**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **29.4952, 55.5795, 9.1734**, and if you desaturate by 10%, it is **31.3383, 56.5046, 10.3934**.

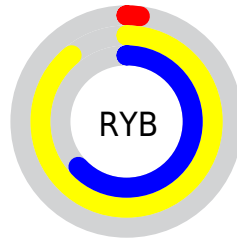
Distribution



Red (28%)

Green (89%)

Blue (2%)



Red (2%)

Yellow (89%)

Blue (63%)

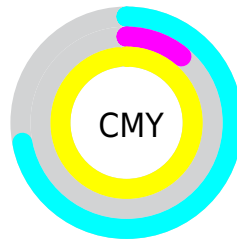


Cyan (69%)

Magenta (0%)

Yellow (97%)

Black (11%)



Cyan (72%)


Magenta (11%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8278, 55.7455, 9.3602 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 29.8278, 55.7455, 9.3602 by changing the saturation by 10% instead.


 29.8278, 55.7455,
9.3602


 29.8278, 55.7455,
9.3602


293.0252,
408.7317, 196.3586


 19.8553, 39.9989,
4.8769


 58.7782, 98.6324,
25.1737


 12.3976, 27.5377,
2.1177


 78.4869, 126.5414,
37.3409


 7.0892, 17.9775,
0.6263

 102.1718,
159.2735, 52.9064

 3.5648, 10.9338,
0.0000

 130.1981,
197.2128, 72.2889

 1.4590, 6.0223,
0.0000

 162.9312,
240.7440, 95.9068

 0.2977, 2.8587,
0.0000

 200.7366,

 0.0000, 1.0584,

290.2512, 124.1787

0.0000

243.9794,
346.1190, 157.5231

■ 0.0000, 0.0000,
0.0000

■ 29.8278, 55.7455,
9.3602

■ 29.8278, 55.7455,
9.3602

■ 29.4952, 55.5795,
9.1734

■ 31.3383, 56.5046,
10.3934

■ 33.3766, 57.5109,
12.5004

■ 36.0050, 58.7933,
15.8996

■ 39.2725, 60.3737,
20.7545

■ 43.2227, 62.2714,
27.2047

■ 47.8945, 64.5039,
35.3734

■ 53.3240, 67.0872,
45.3715

■ 59.5446, 70.0364,
57.3009

■ 66.5876, 73.3657,
71.2557

Harmonies

Analogous

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



44.2619, 55.7455, 3.3442



29.8278, 55.7455, 9.3602



22.9214, 55.7455, 33.0102

Triad

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



29.8278, 55.7455, 9.3602



42.1393, 55.7455, 252.9460



102.9382, 55.7455, 37.8723

Complementary

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



29.8278, 55.7455, 9.3602



28.4986, 13.2029, 73.0010

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.



101.9268, 55.7455, 100.6801



29.8278, 55.7455, 9.3602



62.7836, 55.7455, 257.8104

Square

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



29.8278, 55.7455, 9.3602



28.6302, 55.7455, 179.6377



85.7988, 55.7455, 190.3556



88.2776, 55.7455, 10.9045

Rectangle

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



29.8278, 55.7455, 9.3602



21.9851, 55.7455, 67.4343



85.7988, 55.7455, 190.3556



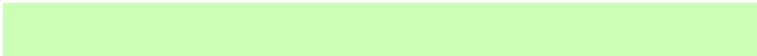
104.5156, 55.7455, 54.4248

Sweetspot

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



29.8291, 55.7478, 9.3614



68.7046, 87.5395, 57.0187



43.9714, 41.3285, 5.8329



14.0403, 18.4206, 10.9739



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.



29.8291, 55.7478, 9.3614



38.6863, 73.0286, 12.0569



27.8493, 54.6645, 12.1040



13.9073, 15.5324, 14.5718



16.9300, 31.7602, 5.2380



1.2614, 2.2468, 0.3672

Inverse Universe

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



28.4986, 13.2029, 73.0010



36.7994, 16.8856, 95.9275



39.8753, 19.6782, 45.9578



13.8802, 13.7218, 17.3047



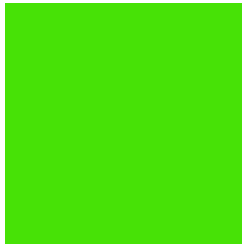
16.1413, 7.4165, 41.6291



1.2072, 0.5596, 2.8896

Previews

White Background



This preview shows how the XYZ color 29.8278, 55.7455, 9.3602 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 29.8278, 55.7455, 9.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

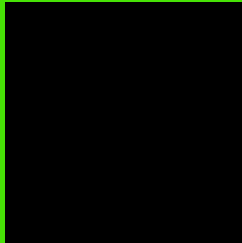
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8278, 55.7455, 9.3602

Background



This preview shows how black text looks on a background with the XYZ color 29.8278, 55.7455, 9.3602.



This preview shows how white text looks on a background with the XYZ color 29.8278, 55.7455,

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

29.8278, 55.7455, 9.3602

Protanopia

49.2551, 54.6955, 7.9613

Deuteranopia

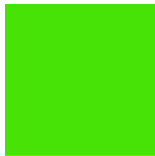
55.5387, 54.3238, 10.3546



Tritanopia

43.9820, 55.2841, 81.0258

Trichromacy



Original Color

29.8278, 55.7455, 9.3602



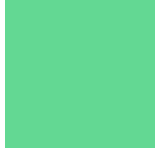
Protanomaly

38.0497, 52.7370, 8.2313



Deuteranomaly

40.2202, 51.3634, 9.2332



Tritanomaly

34.9679, 53.8710, 36.1589

Monochromacy



Original Color

29.8278, 55.7455, 9.3602



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.1850, 38.2724, 18.2664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8278, 55.7455, 9.3602 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(71, 226, 6)` looks like.

```
.text, #text, p{  
    color:rgb(71, 226, 6)  
}
```

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(71, 226, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 226, 6) }
```

Border

The CSS property to change the border of an element to XYZ 29.8278, 55.7455, 9.3602 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(71, 226, 6) }
```


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

```
.border{ border-color:rgb(71, 226, 6) }
```

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

Here you see how a box with a 4 pixel rgb(71, 226, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 226, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 226, 6);  
box-shadow:4px 4px 4px 4px rgb(71, 226, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8278, 55.7455, 9.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 226, 6) }
```

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

```
.background{ background-color: rgb(71, 226,  
6) }
```

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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