

Converting Colors

XYZ(29.9333, 56.8928, 10.2478)

Have a look what the booklet for
XYZ(29.9333, 56.8928, 10.2478)
contains.

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Color

**XYZ(29.9878, 57.0344,
10.2924)**

Conversions

Conversions Part 1

Format	Color
Hex	3BE518
RGB	59, 229, 24
RGB Percent	23%, 90%, 9%
CMY	0.7686, 0.1019, 0.9058
CMYK	0.74, 0.00, 0.90, 0.10
HSL	110°, 81%, 50%
HSV	110°, 90%, 90%
XYZ	29.9878, 57.0344, 10.2924
YIQ	154.8000, -35.5150, -99.7950

Conversions

Conversions Part 2

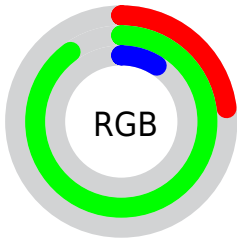
Format	Color
RYB	24, 229, 194
Decimal	3925272
CIELab	80.20, -74.26, 74.75
CIELCh	80, 105.372, 134.812
Yxy	57.0344, 0.3082, 0.5861
Android (android.graphics.Color)	4282115352 (0xFF3BE518)
YUV	154.8000, -64.4844, -84.0166
Hunter-Lab	75.5211, -61.2835, 44.7844

Details

The XYZ color **29.9878, 57.0344, 10.2924** 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 **36.7241, 17.7835, 75.6289**, and the grayscale version is **31.3566, 32.9896, 35.9256**.

A 20% lighter version of the original color is **47.4532, 77.3147, 23.0119**, and **14.7525, 29.5050, 4.9175** is the 20% darker color. If you saturate the color by 10%, you get **28.9020, 56.4947, 9.4133**, and if you desaturate by 10%, it is **31.6731, 57.8649, 12.1803**.

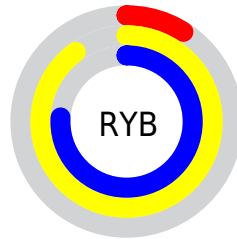
Distribution



Red (23%)

Green (90%)

Blue (9%)



Red (9%)

Yellow (90%)

Blue (76%)

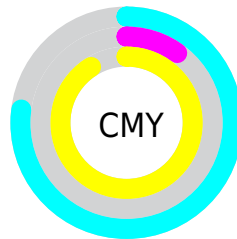


Cyan (74%)

Magenta (0%)

Yellow (90%)

Black (10%)



Cyan (77%)


Magenta (10%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9878, 57.0344, 10.2924 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 29.9878, 57.0344, 10.2924 by changing the saturation by 10% instead.


 29.9878, 57.0344,
10.2924


 29.9878, 57.0344,
10.2924


293.7584,
413.5782, 203.3065


 19.9774, 41.0329,
5.4851


 59.0296, 100.5154,
26.9604


 12.4868, 28.3448,
2.4709


 78.7918, 128.7636,
39.6582


 7.1506, 18.5857,
0.8247


 102.5351,
161.8629, 55.8233

 3.6037, 11.3713,
0.0000

 130.6251,
200.1975, 75.8742

 1.4804, 6.3172,
0.0000

 163.4271,
244.1520, 100.2294

 0.3125, 3.0389,
0.0000

 201.3064,

 0.0000, 1.1521,

294.1107, 129.3075

0.0000

244.6284,
350.4579, 163.5270

■ 0.0000, 0.0220,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9878, 57.0344,
10.2924

■ 29.9878, 57.0344,
10.2924

■ 28.9020, 56.4947,
9.4133


■ 31.6731, 57.8649,
12.1803


■ 28.8603, 56.4739,
9.3795


■ 34.0483, 59.0214,
15.3619


■ 37.1831, 60.5377,
20.0157


■ 41.1373, 62.4414,
26.2911

 45.9646, 64.7572,
34.3190

 51.7138, 67.5079,
44.2171

 58.4302, 70.7144,
56.0930

 66.1561, 74.3964,
70.0458

 74.9310, 78.5724,
86.1684

Harmonies

Analogous

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



44.3158, 57.0344, 3.5661



29.9878, 57.0344, 10.2924



23.3072, 57.0344, 35.9667

Triad

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



29.9878, 57.0344, 10.2924



44.0869, 57.0344, 260.6720



104.7837, 57.0344, 36.4911

Complementary

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



29.9878, 57.0344, 10.2924



36.7241, 17.7835, 75.6289

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.



104.6746, 57.0344, 98.5575



29.9878, 57.0344, 10.2924



65.4759, 57.0344, 261.1961

Square

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



29.9878, 57.0344, 10.2924



29.8586, 57.0344, 188.4429



88.8645, 57.0344, 189.5978



89.1317, 57.0344, 10.4592

Rectangle

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



29.9878, 57.0344, 10.2924



22.5756, 57.0344, 72.5675



88.8645, 57.0344, 189.5978



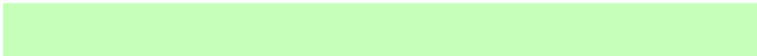
106.7002, 57.0344, 52.6922

Sweetspot

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



29.9891, 57.0368, 10.2937



67.9012, 87.0637, 59.7642



51.2027, 54.1712, 8.6225



13.9438, 18.3533, 11.7603



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.



29.9891, 57.0368, 10.2937



36.7781, 72.0448, 11.9676



30.1978, 56.9555, 18.8376



14.4174, 16.2067, 15.2728



16.5691, 32.3232, 5.3657



1.2928, 2.4238, 0.3997

Inverse Universe

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



36.7241, 17.7835, 75.6289



45.0524, 21.1403, 96.3137



39.3506, 19.9963, 36.9510



14.7411, 14.4843, 18.1631



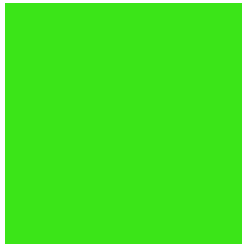
20.3058, 9.5339, 43.1532



1.5646, 0.7375, 3.1919

Previews

White Background



This preview shows how the XYZ color 29.9878, 57.0344, 10.2924 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 29.9878, 57.0344, 10.2924 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 29.9878, 57.0344, 10.2924

Background



This preview shows how black text looks on a background with the XYZ color 29.9878, 57.0344, 10.2924.



This preview shows how white text looks on a background with the XYZ color 29.9878, 57.0344,

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

29.9878, 57.0344, 10.2924

Protanopia

50.3621, 55.9353, 8.3720

Deuteranopia

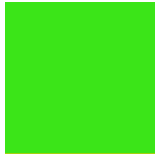
56.7940, 55.5811, 11.2249



Tritanopia

44.5076, 56.6167, 83.4452

Trichromacy



Original Color

29.9878, 57.0344, 10.2924



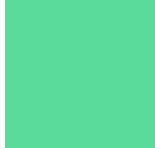
Protanomaly

37.9840, 53.4192, 8.7244



Deuteranomaly

40.1470, 51.9992, 10.2064



Tritanomaly

35.5623, 55.2537, 39.8011

Monochromacy



Original Color

29.9878, 57.0344, 10.2924



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.1275, 38.5105, 19.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9878, 57.0344, 10.2924 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(59, 229, 24)` looks like.

```
.text, #text, p{  
    color:rgb(59, 229, 24)  
}
```

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(59, 229, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 229, 24) }
```

Border

The CSS property to change the border of an element to XYZ 29.9878, 57.0344, 10.2924 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(59, 229, 24) }
```


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

```
.border{ border-color:rgb(59, 229, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 229, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 229, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 229, 24);  
box-shadow:4px 4px 4px 4px rgb(59, 229,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9878, 57.0344, 10.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 229, 24) }
```

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

```
.background{ background-color: rgb(59, 229,  
24) }
```

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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