

Converting Colors

XYZ(29.4952, 58.1415, 10.7630)

Have a look what the booklet for
XYZ(29.4952, 58.1415, 10.7630)
contains.

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Color

**XYZ(29.4196, 57.9792,
10.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	17E81C
RGB	23, 232, 28
RGB Percent	9%, 91%, 11%
CMY	0.9098, 0.0902, 0.8901
CMYK	0.90, 0.00, 0.88, 0.09
HSL	121°, 82%, 50%
HSV	121°, 90%, 91%
XYZ	29.4196, 57.9792, 10.7392
YIQ	146.2530, -59.0800, -107.7520

Conversions

Conversions Part 2

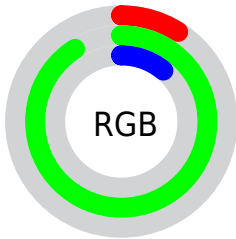
Format	Color
RYB	23, 227, 232
Decimal	1566748
CIELab	80.73, -78.70, 74.36
CIElCh	81, 108.280, 136.624
Yxy	57.9792, 0.2998, 0.5908
Android (android.graphics.Color)	4279756828 (0xFF17E81C)
YUV	146.2530, -58.2987, -108.0929
Hunter-Lab	76.1441, -64.2855, 44.9387

Details

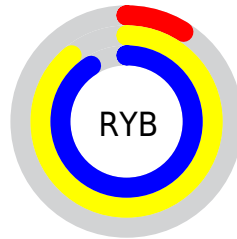
The XYZ color **29.4196, 57.9792, 10.7392** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.4504, 23.3150, 74.6661**, and the grayscale version is **27.6770, 29.1184, 31.7099**.

A 20% lighter version of the original color is **45.2538, 76.1650, 23.6255**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **28.8882, 57.7277, 9.7798**, and if you desaturate by 10%, it is **30.5837, 58.5371, 12.7796**.

Distribution



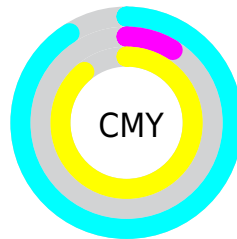
- Red (9%)
- Green (91%)
- Blue (11%)



- Red (9%)
- Yellow (89%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4196, 57.9792, 10.7392 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 29.4196, 57.9792, 10.7392 by changing the saturation by 10% instead.


 29.4196, 57.9792,
10.7392


 29.4196, 57.9792,
10.7392


291.1482,
417.1084, 206.5423


 19.5443, 41.7919,
5.7798


 58.1360, 101.8926,
27.8061


 12.1706, 28.9384,
2.6450


 77.7079, 130.3875,
40.7507


 6.9330, 19.0342,
0.9156

 101.2428,
163.7537, 57.1941

 3.4662, 11.6950,
0.0000

 129.1059,
202.3756, 77.5549

 1.4048, 6.5364,
0.0000

 161.6626,
246.6376, 102.2515

 0.2597, 3.1739,
0.0000

 199.2784,

 0.0000, 1.2232,

296.9242, 131.7026

0.0000

242.3185,
353.6197, 166.3267

■ 0.0000, 0.0805,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.4196, 57.9792,
10.7392

■ 29.4196, 57.9792,
10.7392


■ 28.8882, 57.7277,
9.7798

■ 30.5837, 58.5371,
12.7796


■ 32.5534, 59.4806,
16.1214


■ 35.4409, 60.8656,
20.9339

■ 39.3395, 62.7372,
27.3604

 44.3313, 65.1350,
35.5270

 50.4897, 68.0944,
45.5472

 57.8820, 71.6478,
57.5252

 66.5702, 75.8251,
71.5573

 76.6123, 80.6544,
87.7333

Harmonies

Analogous

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



43.7140, 57.9792, 3.4059



29.4196, 57.9792, 10.7392



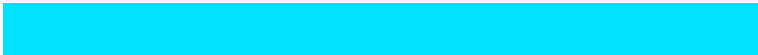
23.0015, 57.9792, 38.7417

Triad

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



29.4196, 57.9792, 10.7392



45.7596, 57.9792, 274.2351



107.3363, 57.9792, 34.0803

Complementary

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



29.4196, 57.9792, 10.7392



47.4504, 23.3150, 74.6661

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.



108.3217, 57.9792, 96.0629



29.4196, 57.9792, 10.7392



68.3263, 57.9792, 269.4603

Square

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



29.4196, 57.9792, 10.7392



30.5667, 57.9792, 201.3249



92.5781, 57.9792, 190.8344



90.1673, 57.9792, 9.2960

Rectangle

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



29.4196, 57.9792, 10.7392



22.5146, 57.9792, 78.4030



92.5781, 57.9792, 190.8344



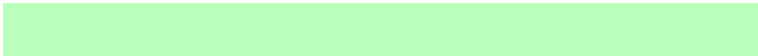
109.7054, 57.9792, 49.9808

Sweetspot

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



29.4209, 57.9816, 10.7405



65.1019, 85.6002, 60.5560



61.1728, 74.3566, 11.9389



13.3048, 18.0193, 11.9397



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.



29.4209, 57.9816, 10.7405



35.7935, 71.5334, 12.0964



33.3070, 59.5360, 31.2042



14.2033, 16.0947, 15.3352



16.0435, 32.0495, 5.4635



1.1905, 2.3703, 0.4299

Inverse Universe

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



47.4504, 23.3150, 74.6661



58.3208, 28.0923, 91.8762



37.2258, 19.2251, 20.8242



14.9794, 14.6090, 18.0920



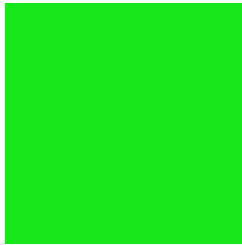
26.1364, 12.5888, 41.2087



1.9362, 0.9322, 3.0703

Previews

White Background



This preview shows how the XYZ color 29.4196, 57.9792, 10.7392 looks on a white background.

Color Contrast Check

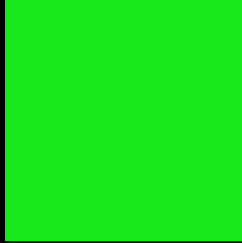
Large Text (above 18pt) WCAG AA × Fail

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 29.4196, 57.9792, 10.7392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

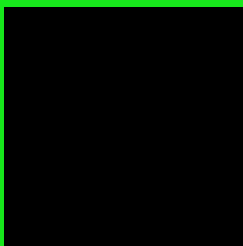
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

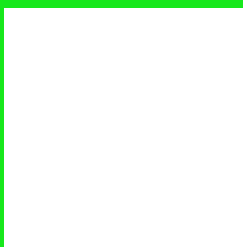
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4196, 57.9792, 10.7392

Background



This preview shows how black text looks on a background with the XYZ color 29.4196, 57.9792, 10.7392.



This preview shows how white text looks on a background with the XYZ color 29.4196, 57.9792,

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

29.4196, 57.9792, 10.7392

Protanopia

51.2501, 56.7286, 8.7005

Deuteranopia

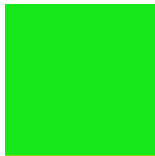
57.7640, 56.3917, 11.5816



Tritanopia

44.4094, 57.6476, 85.8773

Trichromacy



Original Color

29.4196, 57.9792, 10.7392



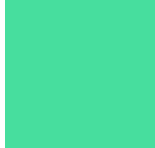
Protanomaly

36.1830, 53.2183, 9.0269



Deuteranomaly

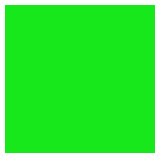
38.0224, 51.5985, 10.5403



Tritanomaly

34.8914, 56.0508, 41.3277

Monochromacy



Original Color

29.4196, 57.9792, 10.7392



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.5372, 35.1903, 18.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4196, 57.9792, 10.7392 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(23, 232, 28)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 28)  
}
```

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(23, 232, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 28) }
```

Border

The CSS property to change the border of an element to XYZ 29.4196, 57.9792, 10.7392 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(23, 232, 28) }
```


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

```
.border{ border-color:rgb(23, 232, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 28);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4196, 57.9792, 10.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 28) }
```

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

```
.background{ background-color: rgb(23, 232,  
28) }
```

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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