

Converting Colors

XYZ(29.9086, 57.5095, 11.9471)

Have a look what the booklet for
XYZ(29.9086, 57.5095, 11.9471)
contains.

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Color

**XYZ(29.7901, 57.3110,
11.8749)**

Conversions

Conversions Part 1

Format	Color
Hex	2CE62C
RGB	44, 230, 44
RGB Percent	17%, 90%, 17%
CMY	0.8275, 0.0980, 0.8274
CMYK	0.81, 0.00, 0.81, 0.10
HSL	120°, 79%, 54%
HSV	120°, 81%, 90%
XYZ	29.7901, 57.3110, 11.8749
YIQ	153.1820, -51.1500, -97.2780

Conversions

Conversions Part 2

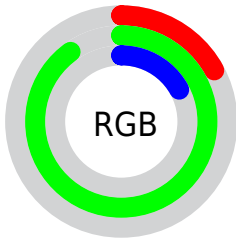
Format	Color
RYB	44, 230, 230
Decimal	2942508
CIELab	80.35, -75.68, 70.57
CIELCh	80, 103.482, 137.001
Yxy	57.3110, 0.3010, 0.5790
Android (android.graphics.Color)	4281132588 (0xFF2CE62C)
YUV	153.1820, -53.8267, -95.7526
Hunter-Lab	75.7040, -62.2410, 43.6926

Details

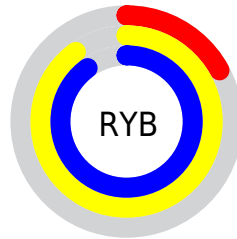
The XYZ color **29.7901, 57.3110, 11.8749** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **47.8171, 24.3377, 77.0355**, and the grayscale version is **30.6021, 32.1958, 35.0613**.

A 20% lighter version of the original color is **46.6737, 76.8457, 26.0084**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.7427, 56.8096, 10.1604**, and if you desaturate by 10%, it is **31.6260, 58.1946, 14.8773**.

Distribution



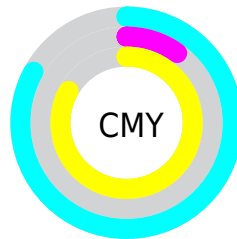
- Red (17%)
- Green (90%)
- Blue (17%)



- Red (17%)
- Yellow (90%)
- Blue (90%)



- Cyan (81%)
- Magenta (0%)
- Yellow (81%)
- Black (10%)





- Cyan (83%)
- Magenta (10%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7901, 57.3110, 11.8749 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 29.7901, 57.3110, 11.8749 by changing the saturation by 10% instead.


 29.7901, 57.3110,
11.8749


 29.7901, 57.3110,
11.8749


292.8522,
414.6136, 214.5238

 19.8266, 41.2550,
6.5370


 58.7190, 100.9188,
29.9280

 12.3766, 28.5184,
3.1003


 78.4151, 129.2394,
43.4804


 7.0747, 18.7168,
1.1461


 102.0861,
162.4170, 60.6080

 3.5556, 11.4658,
0.0000

 130.0974,
200.8360, 81.7294

 1.4539, 6.3811,
0.0000

 162.8143,
244.8808, 107.2632

 0.2942, 3.0782,
0.0000

 200.6021,

 0.0000, 1.1727,

294.9357, 137.6278

0.0000

243.8264,
351.3852, 173.2418

■ 0.0000, 0.0392,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7901, 57.3110,
11.8749

■ 29.7901, 57.3110,
11.8749

■ 28.7427, 56.8096,
10.1604

■ 31.6260, 58.1946,
14.8773

■ 28.2981, 56.5961,
9.4331

■ 34.3602, 59.5080,
19.3497

■ 38.0890, 61.2991,
25.4491

■ 42.8957, 63.6080,
33.3113

■ 48.8546, 66.4704,
43.0581

■ 56.0335, 69.9188,
54.8003

■ 64.4950, 73.9833,
68.6403

■ 74.2973, 78.6918,
84.6733

■ 85.4952, 84.0708,
102.9887

Harmonies

Analogous

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



43.4133, 57.3110, 4.1244



29.7901, 57.3110, 11.8749



23.6509, 57.3110, 39.6757

Triad

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



29.7901, 57.3110, 11.8749



45.8175, 57.3110, 258.9398



103.4251, 57.3110, 34.1388

Complementary

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



29.7901, 57.3110, 11.8749



47.8171, 24.3377, 77.0355

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.



104.5577, 57.3110, 92.4783



29.7901, 57.3110, 11.8749



67.2661, 57.3110, 253.5350

Square

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



29.7901, 57.3110, 11.8749



31.1551, 57.3110, 192.4416



90.0080, 57.3110, 180.4969



87.2268, 57.3110, 10.0698

Rectangle

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



29.7901, 57.3110, 11.8749



23.2293, 57.3110, 77.7220



90.0080, 57.3110, 180.4969



105.7045, 57.3110, 49.2402

Sweetspot

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



29.7914, 57.3134, 11.8762



67.6724, 86.8491, 64.1202



61.3871, 73.6016, 13.3538



13.7898, 18.2555, 12.5878



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.



29.7914, 57.3134, 11.8762



35.8977, 71.5862, 12.1456



33.8521, 58.9376, 33.2593



14.1894, 16.0892, 15.2623



16.0201, 32.0402, 5.3403



1.1838, 2.3677, 0.3947

Inverse Universe

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



47.8171, 24.3377, 77.0355



59.3707, 28.6451, 96.9954



38.0506, 20.4311, 25.6055



14.9951, 14.6152, 18.1748



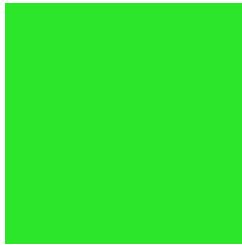
26.5602, 12.7583, 43.4404



1.9627, 0.9428, 3.2102

Previews

White Background



This preview shows how the XYZ color 29.7901, 57.3110, 11.8749 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 29.7901, 57.3110, 11.8749 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 29.7901, 57.3110, 11.8749

Background



This preview shows how black text looks on a background with the XYZ color 29.7901, 57.3110, 11.8749.

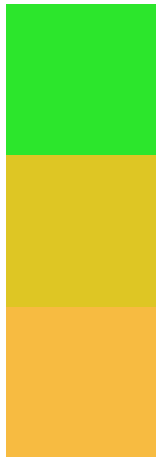


This preview shows how white text looks on a background with the XYZ color 29.7901, 57.3110,

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

29.7901, 57.3110, 11.8749

Protanopia

50.6367, 56.0451, 9.8180

Deuteranopia

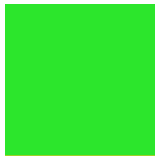
57.0822, 55.6965, 12.7430



Tritanopia

44.2056, 56.8029, 84.9781

Trichromacy



Original Color

29.7901, 57.3110, 11.8749



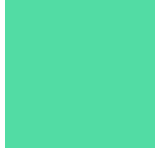
Protanomaly

37.3174, 53.4078, 10.2614



Deuteranomaly

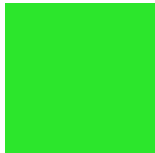
39.3280, 51.8915, 11.8142



Tritanomaly

35.7737, 55.6606, 43.9801

Monochromacy



Original Color

29.7901, 57.3110, 11.8749



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.3146, 37.7507, 21.5225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7901, 57.3110, 11.8749 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(44, 230, 44)` looks like.

```
.text, #text, p{  
    color:rgb(44, 230, 44)  
}
```

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(44, 230, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 230, 44) }
```

Border

The CSS property to change the border of an element to XYZ 29.7901, 57.3110, 11.8749 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(44, 230, 44) }
```


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

```
.border{ border-color:rgb(44, 230, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 230, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 230, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 230, 44);  
box-shadow:4px 4px 4px 4px rgb(44, 230,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7901, 57.3110, 11.8749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 230, 44) }
```

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

```
.background{ background-color: rgb(44, 230,  
44) }
```

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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