

Converting Colors

XYZ(30.1424, 57.2276, 14.5036)

Have a look what the booklet for
XYZ(30.1424, 57.2276, 14.5036)
contains.

XYZ(30.2897, 57.5108, 14.5053)	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(30.2897, 57.5108,
14.5053)**

Conversions

Conversions Part 1

Format	Color
Hex	2CE641
RGB	44, 230, 65
RGB Percent	17%, 90%, 25%
CMY	0.8274, 0.0980, 0.7451
CMYK	0.81, 0.00, 0.72, 0.10
HSL	127°, 79%, 54%
HSV	127°, 81%, 90%
XYZ	30.2897, 57.5108, 14.5053
YIQ	155.5760, -57.8910, -90.7470

Conversions

Conversions Part 2

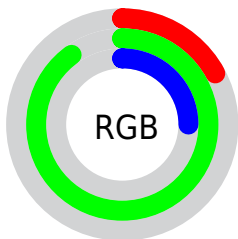
Format	Color
RYB	44, 211, 230
Decimal	2942529
CIELab	80.47, -74.28, 64.18
CIELCh	80, 98.161, 139.173
Yxy	57.5108, 0.2961, 0.5621
Android (android.graphics.Color)	4281132609 (0xFF2CE641)
YUV	155.5760, -44.6540, -97.8522
Hunter-Lab	75.8359, -61.4179, 41.7446

Details

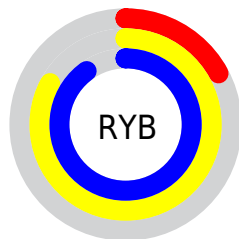
The XYZ color **30.2897, 57.5108, 14.5053** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **45.0438, 23.2286, 62.4309**, and the grayscale version is **31.6234, 33.2703, 36.2314**.

A 20% lighter version of the original color is **47.4412, 77.1361, 30.8007**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.0733, 56.9418, 11.9013**, and if you desaturate by 10%, it is **32.2689, 58.4517, 18.2614**.

Distribution



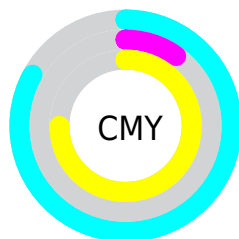
- Red (17%)
- Green (90%)
- Blue (25%)



- Red (17%)
- Yellow (83%)
- Blue (90%)



- Cyan (81%)
- Magenta (0%)
- Yellow (72%)
- Black (10%)





- Cyan (83%)
- Magenta (10%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2897, 57.5108, 14.5053 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 30.2897, 57.5108, 14.5053 by changing the saturation by 10% instead.


 30.2897, 57.5108,
14.5053


 30.2897, 57.5108,
14.5053


295.1381,
415.3606, 231.8888


 20.2077, 41.4155,
8.3302


 59.5035, 101.2101,
34.7129


 12.6553, 28.6439,
4.2162


 79.3661, 129.5829,
49.5825


 7.2670, 18.8116,
1.7447


 103.2196,
162.8170, 68.1873

 3.6774, 11.5342,
0.3911

 131.4293,
201.2968, 90.9459

 1.5213, 6.4274,
0.0000

 164.3607,
245.4066, 118.2768

 0.3403, 3.1066,
0.0000

202.3790,

 0.0000, 1.1877,

295.5310, 150.5985

0.0000

245.8497,
352.0541, 188.3297

■ 0.0000, 0.0516,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2897, 57.5108,
14.5053

■ 30.2897, 57.5108,
14.5053

■ 29.0733, 56.9418,
11.9013


■ 32.2689, 58.4517,
18.2614


■ 28.4841, 56.6704,
10.4129


■ 35.1064, 59.8064,
23.2780


■ 38.8882, 61.6188,
29.6556


■ 43.6884, 63.9251,
37.4832

 49.5738, 66.7581,
46.8424

 56.6055, 70.1476,
57.8088

 64.8400, 74.1213,
70.4528

 74.3301, 78.7050,
84.8408

 85.1254, 83.9229,
101.0355

Harmonies

Analogous

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



42.9083, 57.5108, 5.4273



30.2897, 57.5108, 14.5053



24.7734, 57.5108, 44.0164

Triad

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



30.2897, 57.5108, 14.5053



47.7079, 57.5108, 246.8429



99.9879, 57.5108, 32.8085

Complementary

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



30.2897, 57.5108, 14.5053



45.0438, 23.2286, 62.4309

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.



102.1848, 57.5108, 85.8404



30.2897, 57.5108, 14.5053



68.3879, 57.5108, 236.5672

Square

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



30.2897, 57.5108, 14.5053



33.0578, 57.5108, 189.5595



89.5008, 57.5108, 166.6713



84.0795, 57.5108, 10.6133

Rectangle

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



30.2897, 57.5108, 14.5053



24.6591, 57.5108, 82.0095



89.5008, 57.5108, 166.6713



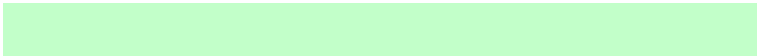
102.4796, 57.5108, 46.5554

Sweetspot

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



30.2911, 57.5132, 14.5066



68.4655, 87.1663, 68.2966



55.7325, 70.6864, 13.0895



13.9738, 18.3291, 13.5566



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.



30.2911, 57.5132, 14.5066



36.1678, 71.6942, 13.5679



35.3039, 59.5183, 40.9041



14.2552, 16.1155, 15.6085



16.1477, 32.0912, 6.0123



1.2154, 2.3803, 0.5608

Inverse Universe

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



45.0438, 23.2286, 62.4309



55.1975, 26.9759, 75.0198



36.8292, 19.9428, 19.1735



14.9213, 14.5857, 17.7861



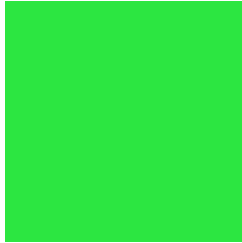
24.6762, 12.0047, 33.5192



1.8435, 0.8951, 2.5826

Previews

White Background



This preview shows how the XYZ color 30.2897, 57.5108, 14.5053 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 30.2897, 57.5108, 14.5053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

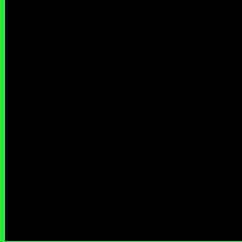
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2897, 57.5108, 14.5053

Background



This preview shows how black text looks on a background with the XYZ color 30.2897, 57.5108, 14.5053.

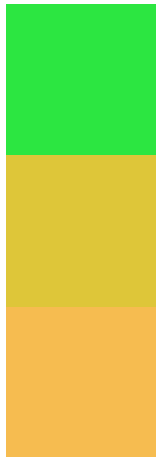


This preview shows how white text looks on a background with the XYZ color 30.2897, 57.5108,

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

30.2897, 57.5108, 14.5053

Protanopia

51.0568, 56.2132, 12.0301

Deuteranopia

57.4372, 56.1385, 15.3980



Tritanopia

44.3454, 57.2519, 85.0574

Trichromacy



Original Color

30.2897, 57.5108, 14.5053



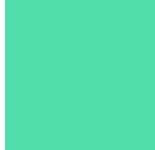
Protanomaly

37.7668, 53.5875, 12.6279



Deuteranomaly

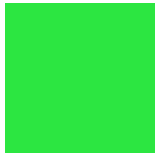
39.8595, 52.1041, 14.6129



Tritanomaly

36.3372, 55.8760, 47.3981

Monochromacy



Original Color

30.2897, 57.5108, 14.5053



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.5789, 38.9419, 24.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2897, 57.5108, 14.5053 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(44, 230, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 230, 65) }
```

Border

The CSS property to change the border of an element to XYZ 30.2897, 57.5108, 14.5053 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, 65) }
```


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

```
.border{ border-color:rgb(44, 230, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 230, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 230, 65);  
box-shadow:4px 4px 4px 4px rgb(44, 230,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2897, 57.5108, 14.5053 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, 65) }
```

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

```
.background{ background-color: rgb(44, 230,  
65) }
```

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