

Converting Colors

XYZ(29.9770, 57.1754, 13.1019)

Have a look what the booklet for
XYZ(29.9770, 57.1754, 13.1019)
contains.

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Color

**XYZ(30.1131, 57.4503,
13.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE637
RGB	46, 230, 55
RGB Percent	18%, 90%, 22%
CMY	0.8196, 0.0980, 0.7843
CMYK	0.80, 0.00, 0.76, 0.10
HSL	123°, 79%, 54%
HSV	123°, 80%, 90%
XYZ	30.1131, 57.4503, 13.1163
YIQ	155.0340, -53.4890, -93.4330

Conversions

Conversions Part 2

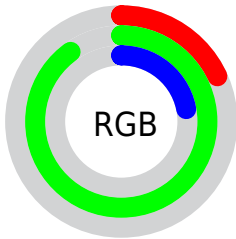
Format	Color
RYB	46, 221, 230
Decimal	3073591
CIELab	80.43, -74.80, 67.49
CIELCh	80, 100.742, 137.941
Yxy	57.4503, 0.2991, 0.5706
Android (android.graphics.Color)	4281263671 (0xFF2EE637)
YUV	155.0340, -49.3168, -95.6228
Hunter-Lab	75.7960, -61.7264, 42.7972




Details

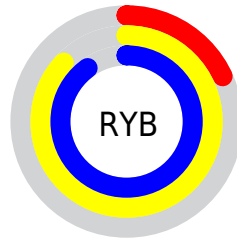
The XYZ color **30.1131, 57.4503, 13.1163** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **46.6623, 23.9980, 70.5775**, and the grayscale version is **31.4006, 33.0359, 35.9761**.




A 20% lighter version of the original color is **47.2547, 77.0949, 28.3098**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.9277, 56.8886, 10.9046**, and if you desaturate by 10%, it is **32.0876, 58.3953, 16.5795**.

Distribution







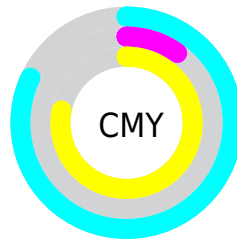
-  Red (18%)
-  Green (90%)
-  Blue (22%)






-  Red (18%)
-  Yellow (87%)
-  Blue (90%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (76%)
-  Black (10%)



-  Cyan (82%)
-  Magenta (10%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1131, 57.4503, 13.1163 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 30.1131, 57.4503, 13.1163 by changing the saturation by 10% instead.

30.1131, 57.4503,
13.1163

30.1131, 57.4503,
13.1163

294.3317,
415.1345, 222.8956

20.0729, 41.3669,
7.3770

59.2264, 101.1219,
32.2068

12.5567, 28.6059,
3.6170

79.0302, 129.4789,
46.3951

7.1989, 18.7829,
1.4177

102.8194,
162.6959, 64.2368

3.6342, 11.5135,
0.1554

130.9591,
201.1573, 86.1505

1.4973, 6.4133,
0.0000

163.8149,
245.2475, 112.5547

0.3240, 3.0980,
0.0000

201.7520,

0.0000, 1.1831,

295.3508, 143.8679

0.0000

245.1358,
351.8517, 180.5087

■ 0.0000, 0.0478,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.1131, 57.4503,
13.1163

■ 30.1131, 57.4503,
13.1163

■ 28.9277, 56.8886,
10.9046


■ 32.0876, 58.3953,
16.5795


■ 28.3599, 56.6207,
9.7587


■ 34.9522, 59.7675,
21.4375


■ 38.7970, 61.6123,
27.8182


■ 43.7000, 63.9676,
35.8343

 49.7316, 66.8673,
45.5877

 56.9558, 70.3426,
57.1719

 65.4320, 74.4222,
70.6741

 75.2157, 79.1329,
86.1755

 86.3588, 84.4999,
103.7528

Harmonies

Analogous

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



43.2652, 57.4503, 4.7526



30.1131, 57.4503, 13.1163



24.2532, 57.4503, 41.6776

Triad

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



30.1131, 57.4503, 13.1163



46.7226, 57.4503, 252.6584



101.7573, 57.4503, 33.6585

Complementary

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



30.1131, 57.4503, 13.1163



46.6623, 23.9980, 70.5775

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.



103.3623, 57.4503, 89.4445



30.1131, 57.4503, 13.1163



67.7705, 57.4503, 245.0772

Square

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



30.1131, 57.4503, 13.1163



32.0920, 57.4503, 190.6509



89.7055, 57.4503, 173.8297



85.7545, 57.4503, 10.4148

Rectangle

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



30.1131, 57.4503, 13.1163



23.9659, 57.4503, 79.6136



89.7055, 57.4503, 173.8297



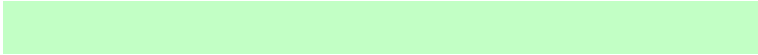
104.1223, 57.4503, 48.1234

Sweetspot

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



30.1145, 57.4527, 13.1176



68.0115, 86.9847, 65.9058



59.4915, 72.6198, 13.4663



13.8683, 18.2869, 13.0009



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.



30.1145, 57.4527, 13.1176



36.0343, 71.6445, 12.6979



34.4691, 59.1946, 36.0489



14.2178, 16.1005, 15.4116



16.0679, 32.0593, 5.5921



1.1975, 2.3731, 0.4666

Inverse Universe

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



46.6623, 23.9980, 70.5775



57.5310, 27.9535, 87.1712



37.7673, 20.4400, 23.7375



14.9630, 14.6024, 18.0058



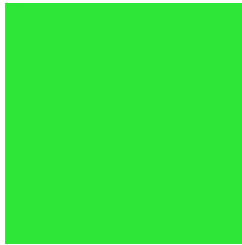
25.7083, 12.4175, 38.9545



1.9092, 0.9214, 2.9283

Previews

White Background



This preview shows how the XYZ color 30.1131, 57.4503, 13.1163 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 30.1131, 57.4503, 13.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

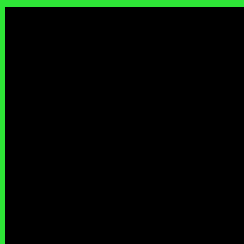
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1131, 57.4503, 13.1163

Background



This preview shows how black text looks on a background with the XYZ color 30.1131, 57.4503, 13.1163.

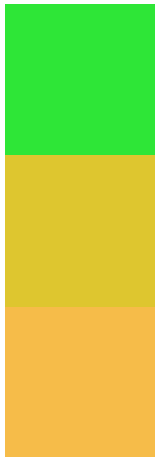


This preview shows how white text looks on a background with the XYZ color 30.1131, 57.4503,

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

30.1131, 57.4503, 13.1163

Protanopia

50.8314, 56.1230, 10.8430

Deuteranopia

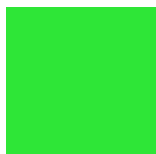
57.1919, 56.0403, 14.1059



Tritanopia

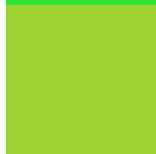
44.2056, 56.8029, 84.9781

Trichromacy



Original Color

30.1131, 57.4503, 13.1163



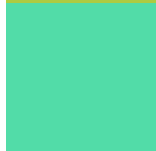
Protanomaly

37.7229, 53.5926, 11.3738



Deuteranomaly

39.5729, 51.9895, 13.1035



Tritanomaly

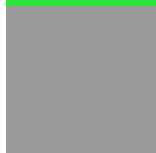
36.1408, 55.8074, 45.9129

Monochromacy



Original Color

30.1131, 57.4503, 13.1163



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.1280, 38.4326, 23.4412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1131, 57.4503, 13.1163 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(46, 230, 55)` looks like.

```
.text, #text, p{  
    color:rgb(46, 230, 55)  
}
```

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(46, 230, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 230, 55) }
```

Border

The CSS property to change the border of an element to XYZ 30.1131, 57.4503, 13.1163 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(46, 230, 55) }
```


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

```
.border{ border-color:rgb(46, 230, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 230, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 230, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 230, 55);  
box-shadow:4px 4px 4px 4px rgb(46, 230,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1131, 57.4503, 13.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 230, 55) }
```

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

```
.background{ background-color: rgb(46, 230,  
55) }
```

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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