

Converting Colors

XYZ(29.7333, 57.0329, 13.7524)

Have a look what the booklet for
XYZ(29.7333, 57.0329, 13.7524)
contains.

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Color

**XYZ(29.8754, 57.3132,
13.7629)**

Conversions

Conversions Part 1

Format	Color
Hex	25E63C
RGB	37, 230, 60
RGB Percent	15%, 90%, 24%
CMY	0.8549, 0.0980, 0.7647
CMYK	0.84, 0.00, 0.74, 0.10
HSL	127°, 79%, 52%
HSV	127°, 84%, 90%
XYZ	29.8754, 57.3132, 13.7629
YIQ	152.9130, -60.4580, -93.7860

Conversions

Conversions Part 2

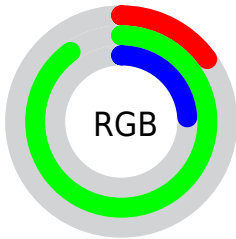
Format	Color
RYB	37, 209, 230
Decimal	2483772
CIELab	80.36, -75.36, 65.76
CIELCh	80, 100.020, 138.894
Yxy	57.3132, 0.2959, 0.5677
Android (android.graphics.Color)	4280673852 (0xFF25E63C)
YUV	152.9130, -45.8061, -101.6557
Hunter-Lab	75.7055, -62.0437, 42.2152

Details

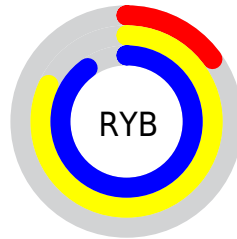
The XYZ color **29.8754, 57.3132, 13.7629** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.5585, 22.6519, 61.0550**, and the grayscale version is **30.4538, 32.0398, 34.8913**.

A 20% lighter version of the original color is **46.7757, 76.8211, 29.5022**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.8578, 56.8408, 11.4354**, and if you desaturate by 10%, it is **31.6194, 58.1398, 17.1965**.

Distribution



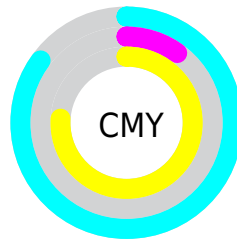
- Red (15%)
- Green (90%)
- Blue (24%)



- Red (15%)
- Yellow (82%)
- Blue (90%)



- Cyan (84%)
- Magenta (0%)
- Yellow (74%)
- Black (10%)



- Cyan (85%)
- Magenta (10%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8754, 57.3132, 13.7629 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 29.8754, 57.3132, 13.7629 by changing the saturation by 10% instead.

■ 29.8754, 57.3132,
13.7629

■ 29.8754, 57.3132,
13.7629

293.2435,
414.6219, 227.1277

■ 19.8916, 41.2568,
7.8191

■ 58.8531, 100.9220,
33.3788

■ 12.4241, 28.5198,
3.8933

■ 78.5777, 129.2432,
47.8879

■ 7.1074, 18.7178,
1.5670

■ 102.2799,
162.4214, 66.0893

■ 3.5763, 11.4666,
0.2671

■ 130.3252,
200.8411, 88.4013

■ 1.4654, 6.3816,
0.0000

■ 163.0788,
244.8866, 115.2427

■ 0.3021, 3.0785,
0.0000

200.9062,

■ 0.0000, 1.1728,

294.9423, 147.0318

0.0000

244.1726,
351.3926, 184.1873

■ 0.0000, 0.0393,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.8754, 57.3132,
13.7629

■ 29.8754, 57.3132,
13.7629

■ 28.8578, 56.8408,
11.4354


■ 31.6194, 58.1398,
17.1965


■ 28.5006, 56.6770,
10.4999


■ 34.1912, 59.3653,
21.8466


■ 37.6801, 61.0354,
27.8146


■ 42.1626, 63.1877,
35.1900

 47.7072, 65.8555,
44.0545

 54.3762, 69.0696,
54.4837

 62.2271, 72.8580,
66.5480

 71.3136, 77.2470,
80.3135

 81.6858, 82.2611,
95.8425

Harmonies

Analogous

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



42.6981, 57.3132, 4.9749



29.8754, 57.3132, 13.7629



24.2627, 57.3132, 43.1141

Triad

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



29.8754, 57.3132, 13.7629



47.2400, 57.3132, 251.2157



100.8382, 57.3132, 32.5587

Complementary

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



29.8754, 57.3132, 13.7629



44.5585, 22.6519, 61.0550

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.



102.9386, 57.3132, 86.7300



29.8754, 57.3132, 13.7629



68.2386, 57.3132, 241.3209

Square

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



29.8754, 57.3132, 13.7629



32.4803, 57.3132, 191.6871



89.8358, 57.3132, 169.7089



84.6620, 57.3132, 10.1773

Rectangle

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



29.8754, 57.3132, 13.7629



24.1092, 57.3132, 81.5037



89.8358, 57.3132, 169.7089



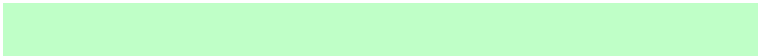
103.3422, 57.3132, 46.5493

Sweetspot

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



29.8768, 57.3156, 13.7642



67.6000, 86.7453, 67.1213



54.5004, 70.0652, 12.4019



13.8098, 18.2492, 13.3394



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.



29.8768, 57.3156, 13.7642



35.9994, 71.6158, 13.1807



35.0634, 59.3902, 41.0768



14.2589, 16.1170, 15.6279



16.1580, 32.0953, 6.0664



1.2171, 2.3810, 0.5700

Inverse Universe

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



44.5585, 22.6519, 61.0550



54.7769, 26.6748, 73.2143



36.1645, 19.2943, 16.8530



14.9173, 14.5841, 17.7646



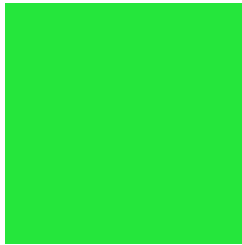
24.5800, 11.9662, 33.0129



1.8374, 0.8927, 2.5501

Previews

White Background



This preview shows how the XYZ color 29.8754, 57.3132, 13.7629 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 29.8754, 57.3132, 13.7629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

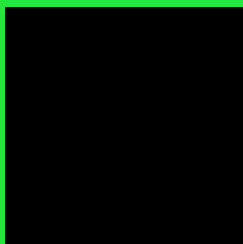
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8754, 57.3132, 13.7629

Background



This preview shows how black text looks on a background with the XYZ color 29.8754, 57.3132, 13.7629.

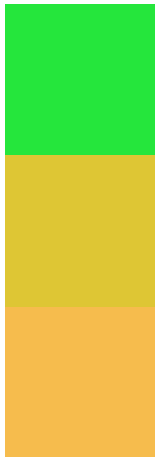


This preview shows how white text looks on a background with the XYZ color 29.8754, 57.3132,

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

29.8754, 57.3132, 13.7629

Protanopia

50.9381, 56.1657, 11.4051

Deuteranopia

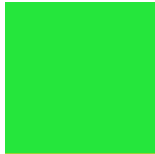
57.3288, 56.0951, 14.8271



Tritanopia

44.1215, 57.1364, 85.0469

Trichromacy



Original Color

29.8754, 57.3132, 13.7629



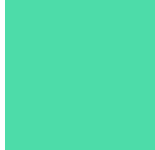
Protanomaly

37.2538, 53.3376, 11.9461



Deuteranomaly

39.0708, 51.7129, 13.8836



Tritanomaly

35.8152, 55.6288, 46.3859

Monochromacy



Original Color

29.8754, 57.3132, 13.7629



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.4092, 37.7592, 23.3491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8754, 57.3132, 13.7629 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(37, 230, 60)` looks like.

```
.text, #text, p{  
    color:rgb(37, 230, 60)  
}
```

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(37, 230, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 230, 60) }
```

Border

The CSS property to change the border of an element to XYZ 29.8754, 57.3132, 13.7629 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(37, 230, 60) }
```


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

```
.border{ border-color:rgb(37, 230, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 230, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 230, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 230, 60);  
box-shadow:4px 4px 4px 4px rgb(37, 230,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8754, 57.3132, 13.7629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 230, 60) }
```

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

```
.background{ background-color: rgb(37, 230,  
60) }
```

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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