

Converting Colors

XYZ(37.2679, 64.9320, 29.0645)

Have a look what the booklet for
XYZ(37.2679, 64.9320, 29.0645)
contains.

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Color

**XYZ(37.3454, 65.1030,
29.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	48F07A
RGB	72, 240, 122
RGB Percent	28%, 94%, 48%
CMY	0.7176, 0.0588, 0.5216
CMYK	0.70, 0.00, 0.49, 0.06
HSL	138°, 85%, 61%
HSV	138°, 70%, 94%
XYZ	37.3454, 65.1030, 29.0102
YIQ	176.3160, -62.2500, -72.3140

Conversions

Conversions Part 2

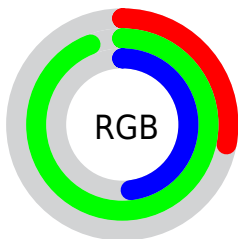
Format	Color
RYB	72, 201, 240
Decimal	4780154
CIELab	84.54, -67.13, 44.64
CIELCh	85, 80.623, 146.375
Yxy	65.1030, 0.2841, 0.4952
Android (android.graphics.Color)	4282970234 (0xFF48F07A)
YUV	176.3160, -26.7778, -91.4851
Hunter-Lab	80.6864, -58.5832, 35.1632

Details

The XYZ color **37.3454, 65.1030, 29.0102** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.5487, 26.8788, 51.3989**, and the grayscale version is **41.5920, 43.7580, 47.6525**.

A 20% lighter version of the original color is **54.4117, 80.2300, 53.6924**, and **18.0390, 34.3092, 11.4659** is the 20% darker color. If you saturate the color by 10%, you get **34.9376, 63.9740, 23.9108**, and if you desaturate by 10%, it is **40.6355, 66.6696, 35.0995**.

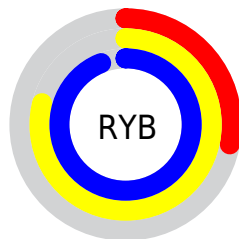
Distribution



Red (28%)

Green (94%)

Blue (48%)



Red (28%)

Yellow (79%)

Blue (94%)

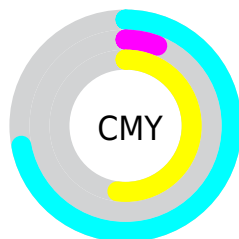


Cyan (70%)

Magenta (0%)

Yellow (49%)

Black (6%)



Cyan (72%)


Magenta (6%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3454, 65.1030, 29.0102 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 37.3454, 65.1030, 29.0102 by changing the saturation by 10% instead.


 37.3454, 65.1030,
29.0102


 37.3454, 65.1030,
29.0102


326.1331,
443.1620, 311.3255


 25.6499, 47.5446,
18.8429


 70.4141, 112.1979,
59.1357


 16.6932, 33.4664,
11.3811


 92.5180, 142.5032,
79.9309

 10.1100, 22.4840,
6.2064


 118.8221,
177.8263, 105.1059

 5.5348, 14.2129,
2.9002

 149.6918,
218.5516, 135.0791

 2.6023, 8.2689,
1.0439

185.4924,
265.0634, 170.2692

 0.9471, 4.2675,
0.0000

226.5892,

 0.0000, 1.8243,

317.7461, 211.0945

0.0000

273.3477,
376.9842, 257.9738

■ 0.0000, 0.5023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3454, 65.1030,
29.0102

■ 37.3454, 65.1030,
29.0102

■ 34.9376, 63.9740,
23.9108

■ 40.6355, 66.6696,
35.0995

■ 33.3115, 63.2262,
19.7435


■ 44.8843, 68.7067,
42.2235


■ 32.3126, 62.7831,
16.4494


■ 50.1653, 71.2529,
50.4293


■ 32.3125, 62.7831,
16.4493

■ 56.5429, 74.3408,
59.7598

 64.0764, 78.0000,
70.2557

 72.8207, 82.2579,
81.9556

 82.8271, 87.1403,
94.8961

 90.4513, 90.8027,
107.3671

Harmonies

Analogous

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



47.7687, 65.1030, 14.0683



37.3454, 65.1030, 29.0102



33.4145, 65.1030, 64.8151

Triad

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



37.3454, 65.1030, 29.0102



59.7206, 65.1030, 222.5093



98.2638, 65.1030, 35.3992

Complementary

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



37.3454, 65.1030, 29.0102



47.5487, 26.8788, 51.3989

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.



103.1418, 65.1030, 77.3248



37.3454, 65.1030, 29.0102



78.5244, 65.1030, 201.5544

Square

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



37.3454, 65.1030, 29.0102



44.6564, 65.1030, 189.2630



95.3218, 65.1030, 140.9756



83.0410, 65.1030, 16.3049

Rectangle

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



37.3454, 65.1030, 29.0102



34.3055, 65.1030, 102.5883



95.3218, 65.1030, 140.9756



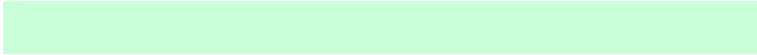
101.2808, 65.1030, 46.4972

Sweetspot

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



37.3470, 65.1057, 29.0117



72.5434, 89.0299, 79.2714



54.1717, 74.0498, 17.5691



14.9942, 18.7969, 16.2326



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.



37.3470, 65.1057, 29.0117



39.1933, 72.9980, 25.2682



44.6856, 68.0411, 67.6559



15.7595, 17.7338, 17.7563



17.7386, 34.3875, 9.2723



1.5178, 2.8776, 0.9934

Inverse Universe

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



47.5487, 26.8788, 51.3989



51.4575, 26.6046, 51.8572



40.9824, 24.2523, 16.8211



16.2422, 15.9466, 18.8314



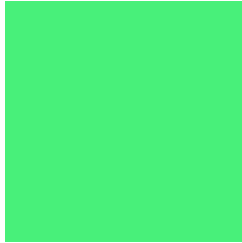
23.6310, 11.7248, 21.7713



2.0094, 0.9928, 2.0404

Previews

White Background



This preview shows how the XYZ color 37.3454, 65.1030, 29.0102 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 37.3454, 65.1030, 29.0102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

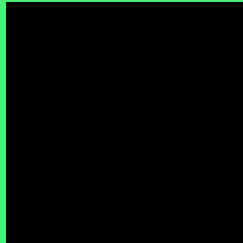
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3454, 65.1030, 29.0102

Background



This preview shows how black text looks on a background with the XYZ color 37.3454, 65.1030, 29.0102.

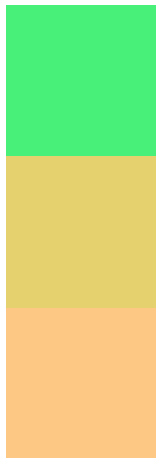


This preview shows how white text looks on a background with the XYZ color 37.3454, 65.1030,

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

37.3454, 65.1030, 29.0102

Protanopia

58.3028, 63.5716, 24.2366

Deuteranopia

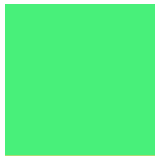
64.9640, 63.6699, 30.6953



Tritanopia

50.4878, 64.4960, 96.1742

Trichromacy



Original Color

37.3454, 65.1030, 29.0102



Protanomaly

45.9213, 61.3084, 25.6331



Deuteranomaly

48.6902, 60.7242, 29.5768



Tritanomaly

44.0382, 63.9186, 64.6601

Monochromacy



Original Color

37.3454, 65.1030, 29.0102



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.9054, 48.6504, 38.8978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3454, 65.1030, 29.0102 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(72, 240, 122)` looks like.

```
.text, #text, p{  
    color:rgb(72, 240, 122)  
}
```

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(72, 240, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 240, 122) }
```

Border

The CSS property to change the border of an element to XYZ 37.3454, 65.1030, 29.0102 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(72, 240, 122) }
```


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

```
.border{ border-color:rgb(72, 240, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 240, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 240, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 240, 122);  
box-shadow:4px 4px 4px 4px rgb(72, 240,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3454, 65.1030, 29.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 240, 122) }
```

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

```
.background{ background-color: rgb(72, 240,  
122) }
```

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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