

Converting Colors

XYZ(29.0370, 47.5585, 15.3429)

Have a look what the booklet for
XYZ(29.0370, 47.5585, 15.3429)
contains.

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Color

**XYZ(29.0360, 47.5615,
15.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	66CE51
RGB	102, 206, 81
RGB Percent	40%, 81%, 32%
CMY	0.6000, 0.1921, 0.6823
CMYK	0.50, 0.00, 0.61, 0.19
HSL	110°, 56%, 56%
HSV	110°, 61%, 81%
XYZ	29.0360, 47.5615, 15.4345
YIQ	160.6540, -21.8590, -60.9230

Conversions

Conversions Part 2

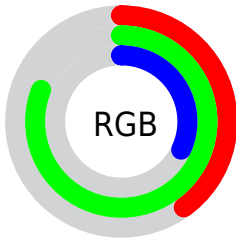
Format	Color
RYB	81, 206, 185
Decimal	6737489
CIELab	74.55, -53.54, 51.83
CIELCh	75, 74.524, 135.930
Yxy	47.5615, 0.3155, 0.5168
Android (android.graphics.Color)	4284927569 (0xFF66CE51)
YUV	160.6540, -39.2694, -51.4396
Hunter-Lab	68.9648, -45.5353, 35.0061

Details

The XYZ color **29.0360, 47.5615, 15.4345** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **34.0932, 20.6571, 60.5854**, and the grayscale version is **33.9004, 35.6659, 38.8401**.

A 20% lighter version of the original color is **54.5603, 80.7148, 35.2581**, and **12.0050, 22.5967, 4.6486** is the 20% darker color. If you saturate the color by 10%, you get **26.6322, 46.3999, 11.8835**, and if you desaturate by 10%, it is **32.0780, 49.0279, 20.2403**.

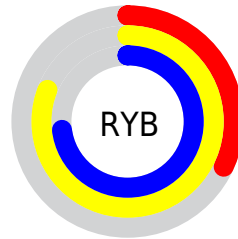
Distribution



Red (40%)

Green (81%)

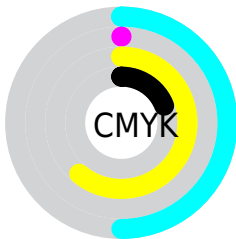
Blue (32%)



Red (32%)

Yellow (81%)

Blue (73%)

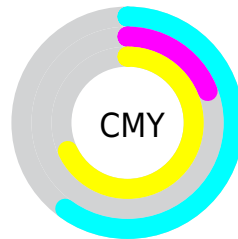


Cyan (50%)

Magenta (0%)

Yellow (61%)

Black (19%)



Cyan (60%)

Magenta (19%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0360, 47.5615, 15.4345 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 29.0360, 47.5615, 15.4345 by changing the saturation by 10% instead.

■ 29.0360, 47.5615,
15.4345

■ 29.0360, 47.5615,
15.4345

289.3759,
377.0514, 237.7120

■ 19.2525, 33.4798,
8.9749

■ 57.5314, 86.5512,
36.3667

■ 11.9579, 22.4942,
4.6282

■ 76.9741, 112.2279,
51.6763

■ 6.7870, 14.2205,
1.9759

■ 100.3671,
142.5384, 70.7730

■ 3.3744, 8.2742,
0.5404

■ 128.0759,
177.8670, 94.0754

■ 1.3547, 4.2709,
0.0000

■ 160.4658,
218.5983, 122.0019

■ 0.2236, 1.8262,
0.0000

197.9022,

■ 0.0000, 0.5034,

265.1165, 154.9712

0.0000

240.7505,
317.8061, 193.4017

■ 0.0000, 0.0000,
0.0000

■ 29.0360, 47.5615,
15.4345

■ 29.0360, 47.5615,
15.4345

■ 26.6322, 46.3999,
11.8835

■ 32.0780, 49.0279,
20.2403

■ 24.8164, 45.5153,
9.4673

■ 35.7968, 50.8126,
26.4000

■ 23.5357, 44.8852,
8.0485

■ 40.2318, 52.9351,
34.0062

■ 22.7520, 44.4950,
7.3892

■ 45.4186, 55.4122,
43.1428

■ 51.3900, 58.2589,
53.8871

■ 58.1772, 61.4899,
66.3111

■ 65.8095, 65.1187,
80.4826

■ 74.3147, 69.1584,
96.4656

■ 81.3623, 72.6246,
104.3374

Harmonies

Analogous

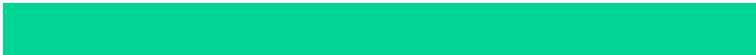
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4645, 47.5615, 8.1984



29.0360, 47.5615, 15.4345



24.4523, 47.5615, 35.7678

Triad

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



29.0360, 47.5615, 15.4345



39.1979, 47.5615, 162.1759



74.9590, 47.5615, 33.9822

Complementary

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



29.0360, 47.5615, 15.4345



34.0932, 20.6571, 60.5854

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.



75.2640, 47.5615, 71.9898



29.0360, 47.5615, 15.4345



52.6919, 47.5615, 160.8464

Square

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



29.0360, 47.5615, 15.4345



29.4806, 47.5615, 125.4364



66.4806, 47.5615, 122.3924



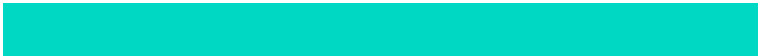
65.7152, 47.5615, 14.6877

Rectangle

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



29.0360, 47.5615, 15.4345



24.0310, 47.5615, 59.8319



66.4806, 47.5615, 122.3924



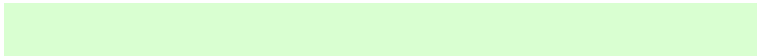
76.1644, 47.5615, 44.4965

Sweetspot

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



29.0371, 47.5635, 15.4356



75.8398, 90.8510, 73.9253



43.8916, 47.6195, 14.6635



15.6555, 19.1704, 14.7926



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.



29.0371, 47.5635, 15.4356



42.0981, 74.6639, 17.7986



28.8919, 47.2644, 25.5569



11.2407, 12.6260, 11.9240



14.0654, 27.4263, 4.5525



0.7816, 1.4437, 0.2375

Inverse Universe

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



34.0932, 20.6571, 60.5854



50.8264, 27.2623, 97.1910



35.3190, 21.7764, 38.6208



11.4954, 11.3047, 14.1465



17.3261, 8.1395, 36.6142



0.9441, 0.4458, 1.8912

Previews

White Background



This preview shows how the XYZ color 29.0360, 47.5615, 15.4345 looks on a white background.

Color Contrast Check

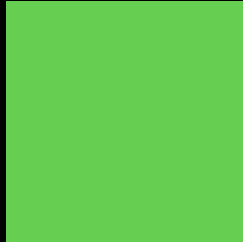
Large Text (above 18pt) WCAG AA × Fail

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 29.0360, 47.5615, 15.4345 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 29.0360, 47.5615, 15.4345

Background



This preview shows how black text looks on a background with the XYZ color 29.0360, 47.5615, 15.4345.



This preview shows how white text looks on a background with the XYZ color 29.0360, 47.5615,

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

29.0360, 47.5615, 15.4345

Protanopia

42.5926, 46.6468, 13.2374

Deuteranopia

47.5295, 46.4726, 16.1379



Tritanopia

39.3310, 47.2554, 67.3698

Trichromacy



Original Color

29.0360, 47.5615, 15.4345



Protanomaly

35.6962, 45.9044, 14.0002



Deuteranomaly

37.8917, 45.0893, 15.7228



Tritanomaly

34.1869, 46.8484, 41.4232

Monochromacy



Original Color

29.0360, 47.5615, 15.4345



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.7022, 38.6857, 27.6787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0360, 47.5615, 15.4345 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(102, 206, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 206, 81)  
}
```

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(102, 206, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 206, 81) }
```

Border

The CSS property to change the border of an element to XYZ 29.0360, 47.5615, 15.4345 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(102, 206, 81) }
```


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

```
.border{ border-color:rgb(102, 206, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 206, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 206, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 206, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 206,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0360, 47.5615, 15.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 206, 81) }
```

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

```
.background{ background-color: rgb(102,  
206, 81) }
```

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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