

Converting Colors

XYZ(27.3052, 47.7264, 15.7639)

Have a look what the booklet for
XYZ(27.3052, 47.7264, 15.7639)
contains.

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Color

**XYZ(27.3039, 47.7466,
15.7596)**

Conversions

Conversions Part 1

Format	Color
Hex	4CD152
RGB	76, 209, 82
RGB Percent	30%, 82%, 32%
CMY	0.7020, 0.1804, 0.6784
CMYK	0.64, 0.00, 0.61, 0.18
HSL	123°, 59%, 56%
HSV	123°, 64%, 82%
XYZ	27.3039, 47.7466, 15.7596
YIQ	154.7550, -38.5010, -67.6930

Conversions

Conversions Part 2

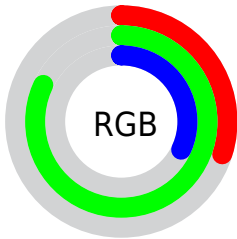
Format	Color
RYB	76, 203, 209
Decimal	5034322
CIELab	74.66, -60.88, 51.31
CIELCh	75, 79.622, 139.878
Yxy	47.7466, 0.3007, 0.5258
Android (android.graphics.Color)	4283224402 (0xFF4CD152)
YUV	154.7550, -35.8682, -69.0681
Hunter-Lab	69.0989, -50.3902, 34.8468

Details

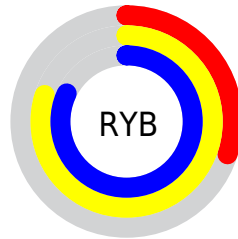
The XYZ color **27.3039, 47.7466, 15.7596** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **39.6596, 23.0366, 58.8563**, and the grayscale version is **31.2141, 32.8396, 35.7623**.

A 20% lighter version of the original color is **50.7806, 78.7582, 35.4471**, and **11.5777, 22.8570, 4.7789** is the 20% darker color. If you saturate the color by 10%, you get **25.2532, 46.7662, 12.2600**, and if you desaturate by 10%, it is **30.1169, 49.0973, 20.4496**.

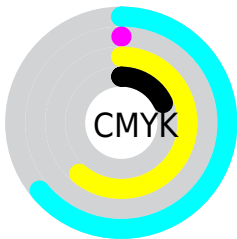
Distribution



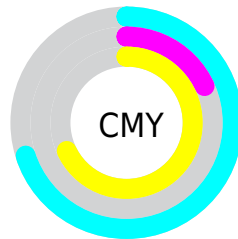
- Red (30%)
- Green (82%)
- Blue (32%)



- Red (30%)
- Yellow (80%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (61%)
- Black (18%)



- Cyan (70%)
- Magenta (18%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3039, 47.7466, 15.7596 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 27.3039, 47.7466, 15.7596 by changing the saturation by 10% instead.

■ 27.3039, 47.7466,
15.7596

■ 27.3039, 47.7466,
15.7596

281.2663,
377.7868, 239.7160

■ 17.9394, 33.6263,
9.2017

■ 54.7876, 86.8270,
36.9413

■ 11.0059, 22.6066,
4.7744

■ 73.6375, 112.5558,
52.4022

■ 6.1381, 14.3033,
2.0591

■ 96.3798, 142.9230,
71.6678

■ 2.9707, 8.3319,
0.5913

■ 123.3800,
178.3128, 95.1568

■ 1.1383, 4.3081,
0.0000

■ 155.0034,
219.1097, 123.2875

■ 0.0568, 1.8473,
0.0000

191.6154,

■ 0.0000, 0.5164,

265.6981, 156.4786

0.0000

233.5812,
318.4623, 195.1486

■ 0.0000, 0.0000,
0.0000

■ 27.3039, 47.7466,
15.7596

■ 27.3039, 47.7466,
15.7596

■ 25.2532, 46.7662,
12.2600

■ 30.1169, 49.0973,
20.4496

■ 23.8872, 46.1141,
9.8409

■ 33.7534, 50.8436,
26.4204

■ 23.1179, 45.7491,
8.3778

■ 38.2721, 53.0153,
33.7577

■ 22.8531, 45.6235,
7.8727

■ 43.7257, 55.6381,
42.5386

■ 50.1626, 58.7352,
52.8347

■ 57.6277, 62.3284,
64.7126

■ 66.1634, 66.4383,
78.2351

■ 75.8096, 71.0841,
93.4615

■ 82.0914, 74.0828,
104.5805

Harmonies

Analogous

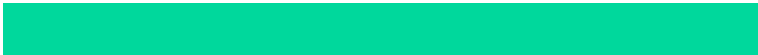
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5886, 47.7466, 7.3518



27.3039, 47.7466, 15.7596



23.1858, 47.7466, 39.2386

Triad

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



27.3039, 47.7466, 15.7596



40.6791, 47.7466, 175.9601



76.7849, 47.7466, 29.3850

Complementary

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



27.3039, 47.7466, 15.7596



39.6596, 23.0366, 58.8563

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.



78.5315, 47.7466, 67.2370



27.3039, 47.7466, 15.7596



55.4815, 47.7466, 168.1953

Square

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



27.3039, 47.7466, 15.7596



29.7506, 47.7466, 139.4654



70.0686, 47.7466, 121.8238



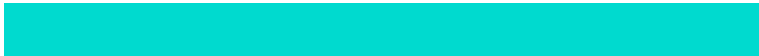
65.7067, 47.7466, 11.8300

Rectangle

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



27.3039, 47.7466, 15.7596



23.1726, 47.7466, 66.8408



70.0686, 47.7466, 121.8238



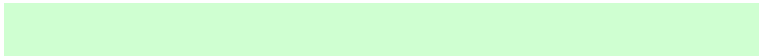
78.5612, 47.7466, 39.5165

Sweetspot

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



27.3051, 47.7486, 15.7607



72.8426, 89.3111, 73.5506



49.1644, 59.0428, 15.6427



14.9861, 18.8251, 14.7735



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.



27.3051, 47.7486, 15.7607



38.8007, 72.9600, 17.8234



31.0433, 49.2439, 35.4461



11.6776, 13.2148, 12.6588



14.0997, 28.1328, 4.9052



0.7961, 1.5761, 0.3151

Inverse Universe

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



39.6596, 23.0366, 58.8563



59.5927, 31.2882, 90.2901



33.4725, 20.5617, 26.2754



12.2868, 11.9995, 14.7860



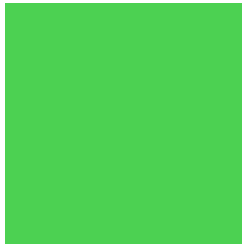
22.6193, 10.9205, 34.4968



1.2720, 0.6135, 1.9672

Previews

White Background



This preview shows how the XYZ color 27.3039, 47.7466, 15.7596 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 27.3039, 47.7466, 15.7596 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 27.3039, 47.7466, 15.7596

Background



This preview shows how black text looks on a background with the XYZ color 27.3039, 47.7466, 15.7596.



This preview shows how white text looks on a background with the XYZ color 27.3039, 47.7466,

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

27.3039, 47.7466, 15.7596

Protanopia

42.5926, 46.6468, 13.2374

Deuteranopia

47.8083, 46.8921, 16.6565



Tritanopia

37.9303, 47.4845, 69.4536

Trichromacy



Original Color

27.3039, 47.7466, 15.7596



Protanomaly

34.0938, 45.4032, 13.9879



Deuteranomaly

36.1093, 44.7913, 15.9749



Tritanomaly

32.6079, 47.0313, 42.9566

Monochromacy



Original Color

27.3039, 47.7466, 15.7596



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.8304, 36.6541, 26.0302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3039, 47.7466, 15.7596 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(76, 209, 82)` looks like.

```
.text, #text, p{  
    color:rgb(76, 209, 82)  
}
```

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(76, 209, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 209, 82) }
```

Border

The CSS property to change the border of an element to XYZ 27.3039, 47.7466, 15.7596 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(76, 209, 82) }
```


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

```
.border{ border-color:rgb(76, 209, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 209, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 209, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 209, 82);  
box-shadow:4px 4px 4px 4px rgb(76, 209,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3039, 47.7466, 15.7596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 209, 82) }
```

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

```
.background{ background-color: rgb(76, 209,  
82) }
```

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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