

Converting Colors

XYZ(27.4991, 47.6924, 15.1433)

Have a look what the booklet for
XYZ(27.4991, 47.6924, 15.1433)
contains.

XYZ(27.6051, 47.9148, 15.1907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6051, 47.9148,
15.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	51D14F
RGB	81, 209, 79
RGB Percent	32%, 82%, 31%
CMY	0.6824, 0.1804, 0.6902
CMYK	0.61, 0.00, 0.62, 0.18
HSL	119°, 59%, 56%
HSV	119°, 62%, 82%
XYZ	27.6051, 47.9148, 15.1907
YIQ	155.9080, -34.5580, -67.5660

Conversions

Conversions Part 2

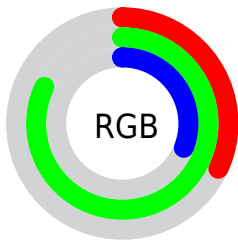
Format	Color
RYB	79, 209, 207
Decimal	5361999
CIELab	74.77, -60.13, 52.77
CIELCh	75, 80.006, 138.730
Yxy	47.9148, 0.3043, 0.5282
Android (android.graphics.Color)	4283552079 (0xFF51D14F)
YUV	155.9080, -37.9156, -65.6943
Hunter-Lab	69.2205, -49.9502, 35.4430

Details

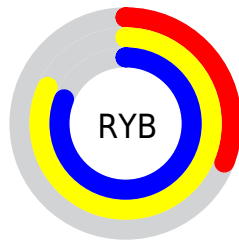
The XYZ color **27.6051, 47.9148, 15.1907** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **40.0396, 23.4627, 62.7426**, and the grayscale version is **31.7348, 33.3875, 36.3590**.

A 20% lighter version of the original color is **51.3213, 79.0531, 34.7442**, and **11.5266, 22.8366, 4.5099** is the 20% darker color. If you saturate the color by 10%, you get **25.4568, 46.8832, 11.7245**, and if you desaturate by 10%, it is **30.5291, 49.3214, 19.9433**.

Distribution



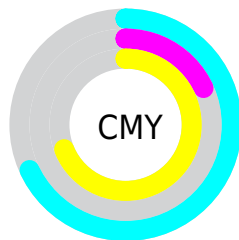
- Red (32%)
- Green (82%)
- Blue (31%)



- Red (31%)
- Yellow (82%)
- Blue (81%)



- Cyan (61%)
- Magenta (0%)
- Yellow (62%)
- Black (18%)



- Cyan (68%)
- Magenta (18%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6051, 47.9148, 15.1907 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 27.6051, 47.9148, 15.1907 by changing the saturation by 10% instead.

■ 27.6051, 47.9148,
15.1907

■ 27.6051, 47.9148,
15.1907

282.6895,
378.4543, 236.1980

■ 18.1671, 33.7594,
8.8052

■ 55.2664, 87.0775,
35.9344

■ 11.1705, 22.7088,
4.5193

■ 74.2205, 112.8537,
51.1297

■ 6.2497, 14.3787,
1.9143

■ 97.0772, 143.2722,
70.0987

■ 3.0396, 8.3845,
0.5018

■ 124.2021,
178.7175, 93.2599

■ 1.1748, 4.3420,
0.0000

■ 155.9604,
219.5740, 121.0319

■ 0.0863, 1.8666,
0.0000

192.7175,

■ 0.0000, 0.5282,

266.2260, 153.8333

0.0000

234.8387,
319.0580, 192.0824

■ 0.0000, 0.0000,
0.0000

■ 27.6051, 47.9148,
15.1907

■ 27.6051, 47.9148,
15.1907

■ 25.4568, 46.8832,
11.7245

■ 30.5291, 49.3214,
19.9433

■ 24.0075, 46.1857,
9.4164

■ 34.2893, 51.1278,
26.0879

■ 23.1710, 45.7823,
8.1178

■ 38.9443, 53.3634,
33.7229

■ 22.8416, 45.6236,
7.6024

■ 44.5465, 56.0533,
42.9369

■ 51.1441, 59.2206,
53.8115

■ 58.7821, 62.8869,
66.4229

■ 67.5029, 67.0725,
80.8423

■ 77.3462, 71.7965,
97.1371

■ 82.0914, 74.0829,
104.5805

Harmonies

Analogous

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



37.1465, 47.9148, 7.1618



27.6051, 47.9148, 15.1907



23.2698, 47.9148, 38.0447

Triad

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



27.6051, 47.9148, 15.1907



40.2971, 47.9148, 176.5562



77.4545, 47.9148, 30.4650

Complementary

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



27.6051, 47.9148, 15.1907



40.0396, 23.4627, 62.7426

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.



78.8028, 47.9148, 69.4217



27.6051, 47.9148, 15.1907



55.1148, 47.9148, 170.5517

Square

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



27.6051, 47.9148, 15.1907



29.4875, 47.9148, 138.3760



69.9328, 47.9148, 124.7437



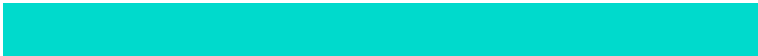
66.5668, 47.9148, 12.1807

Rectangle

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



27.6051, 47.9148, 15.1907



23.1327, 47.9148, 65.2824



69.9328, 47.9148, 124.7437



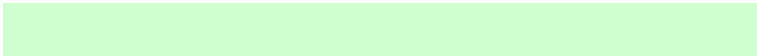
79.1131, 47.9148, 40.9445

Sweetspot

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



27.6063, 47.9168, 15.1918



72.7819, 89.3108, 72.1461



49.9805, 58.6673, 16.0876



14.9717, 18.8250, 14.4431



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.



27.6063, 47.9168, 15.1918



38.9717, 73.0696, 16.8631



30.8965, 49.2134, 33.3979



11.6729, 13.2148, 12.5475



14.0904, 28.1328, 4.6875



0.7939, 1.5761, 0.2624

Inverse Universe

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



40.0396, 23.4627, 62.7426



60.0370, 31.5658, 97.5363



34.2935, 21.2291, 29.5539



12.2921, 11.9994, 14.9119



22.7621, 10.9146, 38.0995



1.2786, 0.6133, 2.1306

Previews

White Background



This preview shows how the XYZ color 27.6051, 47.9148, 15.1907 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 27.6051, 47.9148, 15.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

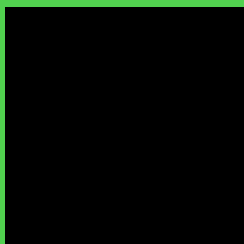
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6051, 47.9148, 15.1907

Background



This preview shows how black text looks on a background with the XYZ color 27.6051, 47.9148, 15.1907.



This preview shows how white text looks on a background with the XYZ color 27.6051, 47.9148,

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

27.6051, 47.9148, 15.1907

Protanopia

42.9727, 47.1593, 12.7990

Deuteranopia

48.0329, 47.0178, 16.2166



Tritanopia

38.4336, 47.7440, 69.4772

Trichromacy



Original Color

27.6051, 47.9148, 15.1907



Protanomaly

34.3837, 45.5646, 13.4612



Deuteranomaly

36.6836, 45.0968, 15.5752



Tritanomaly

32.9543, 47.2203, 42.4995

Monochromacy



Original Color

27.6051, 47.9148, 15.1907



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.2795, 36.8856, 26.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6051, 47.9148, 15.1907 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(81, 209, 79)` looks like.

```
.text, #text, p{  
    color:rgb(81, 209, 79)  
}
```

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(81, 209, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 209, 79) }
```

Border

The CSS property to change the border of an element to XYZ 27.6051, 47.9148, 15.1907 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(81, 209, 79) }
```


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

```
.border{ border-color:rgb(81, 209, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 209, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 209, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 209, 79);  
box-shadow:4px 4px 4px 4px rgb(81, 209,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6051, 47.9148, 15.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 209, 79) }
```

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

```
.background{ background-color: rgb(81, 209,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor