

Converting Colors

XYZ(31.0344, 47.1895, 15.2129)

Have a look what the booklet for
XYZ(31.0344, 47.1895, 15.2129)
contains.

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Color

**XYZ(31.0632, 47.1951,
15.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	7DCA51
RGB	125, 202, 81
RGB Percent	49%, 79%, 32%
CMY	0.5098, 0.2078, 0.6823
CMYK	0.38, 0.00, 0.60, 0.21
HSL	98°, 53%, 55%
HSV	98°, 60%, 79%
XYZ	31.0632, 47.1951, 15.2569
YIQ	165.1830, -7.0510, -53.9550

Conversions

Conversions Part 2

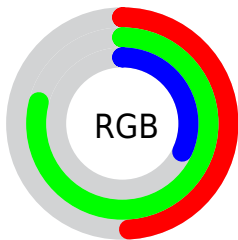
Format	Color
RYB	81, 202, 158
Decimal	8243793
CIELab	74.31, -44.88, 51.83
CIELCh	74, 68.563, 130.886
Yxy	47.1951, 0.3322, 0.5047
Android (android.graphics.Color)	4286433873 (0xFF7DCA51)
YUV	165.1830, -41.5022, -35.2405
Hunter-Lab	68.6987, -39.5111, 34.9217

Details

The XYZ color **31.0632, 47.1951, 15.2569** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **27.7058, 17.4196, 57.7818**, and the grayscale version is **36.0486, 37.9260, 41.3014**.

A 20% lighter version of the original color is **59.3545, 83.1863, 35.4825**, and **13.0634, 22.2028, 4.5168** is the 20% darker color. If you saturate the color by 10%, you get **28.6591, 46.0321, 11.7617**, and if you desaturate by 10%, it is **33.9378, 48.5776, 19.9520**.

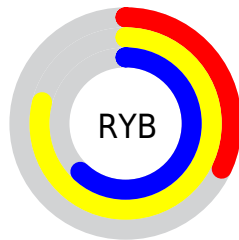
Distribution



Red (49%)

Green (79%)

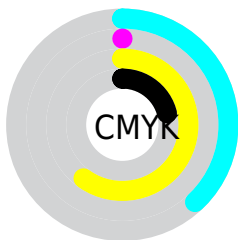
Blue (32%)



Red (32%)

Yellow (79%)

Blue (62%)

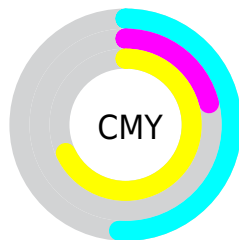


Cyan (38%)

Magenta (0%)

Yellow (60%)

Black (21%)



Cyan (51%)

Magenta (21%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0632, 47.1951, 15.2569 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 31.0632, 47.1951, 15.2569 by changing the saturation by 10% instead.

■ 31.0632, 47.1951,
15.2569

■ 31.0632, 47.1951,
15.2569

298.6511,
375.5928, 236.6100

■ 20.7990, 33.1899,
8.8513

■ 60.7147, 86.0048,
36.0519

■ 13.0888, 22.2720,
4.5488

■ 80.8328, 111.5781,
51.2783

■ 7.5672, 14.0569,
1.9310

■ 104.9662,
141.7761, 70.2821

■ 3.8687, 8.1602,
0.5123

■ 133.4804,
176.9835, 93.4818

■ 1.6281, 4.1977,
0.0000

■ 166.7406,
217.5844, 121.2958

■ 0.4106, 1.7847,
0.0000

205.1122,

■ 0.0000, 0.4776,

263.9633, 154.1429

0.0000

248.9605,
316.5046, 192.4414

■ 0.0000, 0.0000,
0.0000

■ 31.0632, 47.1951,
15.2569

■ 31.0632, 47.1951,
15.2569

■ 28.6591, 46.0321,
11.7617

■ 33.9378, 48.5776,
19.9520

■ 26.6921, 45.0693,
9.3541

■ 37.3065, 50.1851,
25.9398

■ 25.1292, 44.2941,
7.9059

■ 41.1948, 52.0306,
33.3075

■ 23.9143, 43.6826,
7.1770

■ 45.6258, 54.1241,
42.1339

■ 23.9034, 43.6771,
7.1707

■ 50.6206, 56.4749,
52.4916

■ 56.1995, 59.0921,
64.4488

■ 62.3816, 61.9840,
78.0693

■ 69.1850, 65.1587,
93.4133

■ 75.3443, 68.1108,
103.7834

Harmonies

Analogous

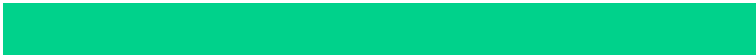
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5285, 47.1951, 9.3974



31.0632, 47.1951, 15.2569



25.9827, 47.1951, 32.2112

Triad

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



31.0632, 47.1951, 15.2569



37.5355, 47.1951, 145.9092



72.3903, 47.1951, 39.6042

Complementary

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



31.0632, 47.1951, 15.2569



27.7058, 17.4196, 57.7818

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.



71.1861, 47.1951, 76.9729



31.0632, 47.1951, 15.2569



49.4844, 47.1951, 151.0220

Square

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



31.0632, 47.1951, 15.2569



29.2189, 47.1951, 109.8546



62.2289, 47.1951, 121.6834



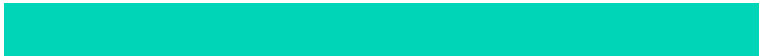
65.2680, 47.1951, 18.5315

Rectangle

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



31.0632, 47.1951, 15.2569



25.0872, 47.1951, 52.4446



62.2289, 47.1951, 121.6834



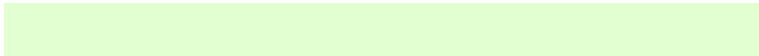
72.9748, 47.1951, 50.3446

Sweetspot

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



31.0643, 47.1971, 15.2579



78.5791, 92.2632, 74.0535



38.0086, 37.4814, 13.0166



16.3147, 19.5102, 14.8235



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.



31.0643, 47.1971, 15.2579



47.4177, 77.3969, 18.4687



26.6792, 44.8581, 18.5951



11.4468, 12.7322, 11.9337



15.4705, 28.1507, 4.6182



0.8808, 1.4949, 0.2421

Inverse Universe

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



27.7058, 17.4196, 57.7818



41.1273, 22.4996, 96.7829



36.1501, 21.9822, 48.7200



11.2766, 11.1919, 14.1363



12.7425, 5.7765, 36.3996



0.7388, 0.3400, 1.8816

Previews

White Background



This preview shows how the XYZ color 31.0632, 47.1951, 15.2569 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 31.0632, 47.1951, 15.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

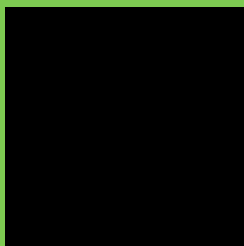
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0632, 47.1951, 15.2569

Background



This preview shows how black text looks on a background with the XYZ color 31.0632, 47.1951, 15.2569.

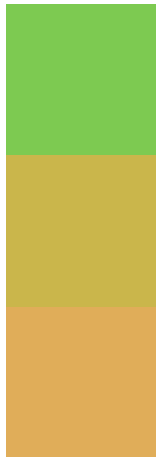


This preview shows how white text looks on a background with the XYZ color 31.0632, 47.1951,

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

31.0632, 47.1951, 15.2569

Protanopia

42.3551, 46.5205, 13.4036

Deuteranopia

47.4872, 46.4557, 15.9152



Tritanopia

40.8941, 46.8227, 64.6399

Trichromacy



Original Color

31.0632, 47.1951, 15.2569

Protanomaly

36.9927, 45.9297, 13.9368

Deuteranomaly

39.5592, 45.6442, 15.5293

Tritanomaly

36.1182, 46.5249, 40.3343

Monochromacy



Original Color

31.0632, 47.1951, 15.2569

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

32.8011, 40.0461, 28.5551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0632, 47.1951, 15.2569 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(125, 202, 81)` looks like.

```
.text, #text, p{  
    color:rgb(125, 202, 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(125, 202, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 202, 81) }
```

Border

The CSS property to change the border of an element to XYZ 31.0632, 47.1951, 15.2569 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(125, 202, 81) }
```


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

```
.border{ border-color:rgb(125, 202, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 202, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 202, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 202, 81);  
box-shadow:4px 4px 4px 4px rgb(125, 202,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0632, 47.1951, 15.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 202, 81) }
```

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

```
.background{ background-color: rgb(125,  
202, 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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