

Converting Colors

XYZ(31.6717, 49.9510, 18.0975)

Have a look what the booklet for
XYZ(31.6717, 49.9510, 18.0975)
contains.

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Color

**XYZ(31.6717, 49.9510,
18.0975)**

Conversions

Conversions Part 1

Format	Color
Hex	72D15C
RGB	114, 209, 92
RGB Percent	45%, 82%, 36%
CMY	0.5529, 0.1804, 0.6392
CMYK	0.45, 0.00, 0.56, 0.18
HSL	109°, 56%, 59%
HSV	109°, 56%, 82%
XYZ	31.6717, 49.9510, 18.0975
YIQ	167.2570, -19.0630, -56.5270

Conversions

Conversions Part 2

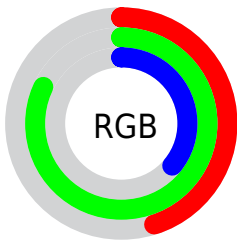
Format	Color
RYB	92, 209, 187
Decimal	7524700
CIELab	76.04, -50.08, 48.72
CIELCh	76, 69.871, 135.785
Yxy	49.9510, 0.3176, 0.5009
Android (android.graphics.Color)	4285714780 (0xFF72D15C)
YUV	167.2570, -37.1017, -46.7064
Hunter-Lab	70.6760, -43.6927, 34.2913

Details

The XYZ color **31.6717, 49.9510, 18.0975** 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 **35.8317, 22.8242, 62.8412**, and the grayscale version is **37.0391, 38.9680, 42.4362**.

A 20% lighter version of the original color is **57.6654, 82.2223, 39.6193**, and **13.4974, 24.0699, 5.8540** is the 20% darker color. If you saturate the color by 10%, you get **28.8750, 48.6022, 13.8379**, and if you desaturate by 10%, it is **35.1324, 51.6160, 23.7057**.

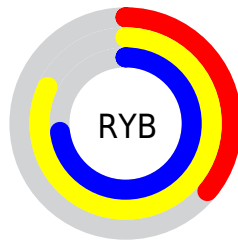
Distribution



Red (45%)

Green (82%)

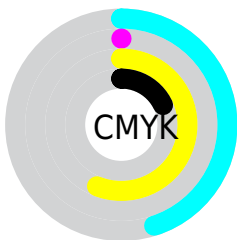
Blue (36%)



Red (36%)

Yellow (82%)

Blue (73%)

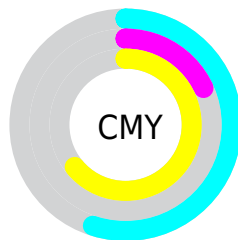


Cyan (45%)

Magenta (0%)

Yellow (56%)

Black (18%)



Cyan (55%)

Magenta (18%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6717, 49.9510, 18.0975 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 31.6717, 49.9510, 18.0975 by changing the saturation by 10% instead.

■ 31.6717, 49.9510,
18.0975

■ 31.6717, 49.9510,
18.0975

301.3929,
386.4743, 253.6746

■ 21.2652, 35.3745,
10.8498

■ 61.6647, 90.1023,
41.0196

■ 13.4316, 23.9515,
5.8531

■ 81.9820, 116.4458,
57.5311

■ 7.8054, 15.2976,
2.6886

■ 106.3335,
147.4804, 77.9676

■ 4.0214, 9.0285,
0.9377

■ 135.0847,
183.5906, 102.7477

■ 1.7143, 4.7598,
0.0000

168.6009,
225.1607, 132.2899

■ 0.4652, 2.1070,
0.0000

207.2474,

■ 0.0000, 0.6686,

272.5751, 167.0128

0.0000

251.3896,
326.2181, 207.3348

■ 0.0000, 0.0000,
0.0000

■ 31.6717, 49.9510,
18.0975

■ 31.6717, 49.9510,
18.0975

■ 28.8750, 48.6022,
13.8379

■ 35.1324, 51.6160,
23.7057

■ 26.6948, 47.5430,
10.8103

■ 39.2933, 53.6092,
30.7594

■ 25.0825, 46.7528,
8.8843

■ 44.1921, 55.9496,
39.3507

■ 23.9795, 46.2049,
7.8959

■ 49.8630, 58.6529,
49.5628

■ 23.6494, 46.0400,
7.6402

■ 56.3377, 61.7338,
61.4733

■ 63.6463, 65.2063,
75.1544

■ 71.8172, 69.0835,
90.6744

■ 80.1927, 73.1041,
104.4916

■ 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.



40.9747, 49.9510, 10.4100



31.6717, 49.9510, 18.0975



27.0752, 49.9510, 38.5855

Triad

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



31.6717, 49.9510, 18.0975



41.5797, 49.9510, 157.9844



75.9382, 49.9510, 37.0922

Complementary

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



31.6717, 49.9510, 18.0975



35.8317, 22.8242, 62.8412

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.



76.1819, 49.9510, 74.0055



31.6717, 49.9510, 18.0975



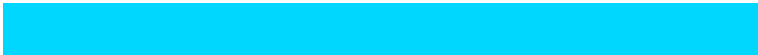
54.6331, 49.9510, 156.9490

Square

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



31.6717, 49.9510, 18.0975



32.0444, 49.9510, 123.8384



67.8213, 49.9510, 121.4441



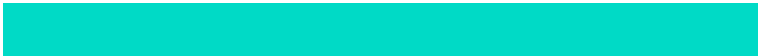
67.2064, 49.9510, 17.4371

Rectangle

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



31.6717, 49.9510, 18.0975



26.6373, 49.9510, 61.9560



67.8213, 49.9510, 121.4441



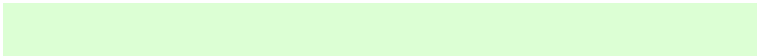
77.0628, 49.9510, 47.4631

Sweetspot

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



31.6729, 49.9531, 18.0986



77.0543, 91.4403, 75.6447



45.7031, 49.2798, 17.2292



16.0911, 19.3806, 15.4631



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.



31.6729, 49.9531, 18.0986



44.6047, 75.8941, 20.7165



31.0530, 49.4134, 28.0152



11.8608, 13.3117, 12.5563



14.6427, 28.4175, 4.7134



0.8821, 1.6216, 0.2665

Inverse Universe

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



35.8317, 22.8242, 62.8412



51.6259, 29.2526, 97.5331



37.7537, 24.2630, 42.6887



12.0838, 11.8921, 14.9022



17.3564, 8.1278, 37.8465



1.0281, 0.4842, 2.1188

Previews

White Background



This preview shows how the XYZ color 31.6717, 49.9510, 18.0975 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 31.6717, 49.9510, 18.0975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

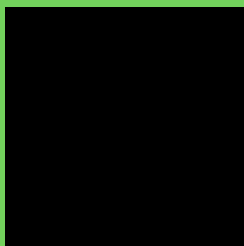
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6717, 49.9510, 18.0975

Background



This preview shows how black text looks on a background with the XYZ color 31.6717, 49.9510, 18.0975.



This preview shows how white text looks on a background with the XYZ color 31.6717, 49.9510,

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

31.6717, 49.9510, 18.0975

Protanopia

45.1421, 49.4619, 15.7622

Deuteranopia

50.2643, 49.2744, 19.1736



Tritanopia

41.9401, 49.5517, 69.6413

Trichromacy



Original Color

31.6717, 49.9510, 18.0975



Protanomaly

38.5101, 48.6190, 16.5872



Deuteranomaly

40.8957, 47.8418, 18.6342



Tritanomaly

37.0078, 49.2676, 44.6049

Monochromacy



Original Color

31.6717, 49.9510, 18.0975



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.6743, 41.6452, 31.0745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6717, 49.9510, 18.0975 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(114, 209, 92)` looks like.

```
.text, #text, p{  
    color:rgb(114, 209, 92)  
}
```

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(114, 209, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 209, 92) }
```

Border

The CSS property to change the border of an element to XYZ 31.6717, 49.9510, 18.0975 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(114, 209, 92) }
```


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

```
.border{ border-color:rgb(114, 209, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 209, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 209, 92); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 209, 92); box-shadow:4px 4px 4px 4px rgb(114, 209, 92) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6717, 49.9510, 18.0975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 209, 92) }
```

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

```
.background{ background-color: rgb(114,  
209, 92) }
```

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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