

Converting Colors

XYZ(34.1775, 48.9469, 34.6166)

Have a look what the booklet for
XYZ(34.1775, 48.9469, 34.6166)
contains.

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Color

**XYZ(34.1749, 49.0816,
34.4606)**

Conversions

Conversions Part 1

Format	Color
Hex	76CC91
RGB	118, 204, 145
RGB Percent	46%, 80%, 57%
CMY	0.5372, 0.2000, 0.4314
CMYK	0.42, 0.00, 0.29, 0.20
HSL	139°, 46%, 63%
HSV	139°, 42%, 80%
XYZ	34.1749, 49.0816, 34.4606
YIQ	171.5600, -32.3170, -36.5810

Conversions

Conversions Part 2

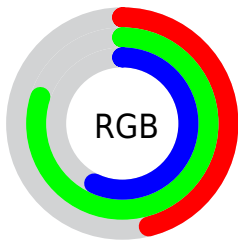
Format	Color
RYB	118, 183, 204
Decimal	7785617
CIELab	75.50, -38.86, 21.47
CIELCh	76, 44.396, 151.085
Yxy	49.0816, 0.2903, 0.4169
Android (android.graphics.Color)	4285975697 (0xFF76CC91)
YUV	171.5600, -13.0941, -46.9721
Hunter-Lab	70.0583, -35.5284, 19.8769

Details

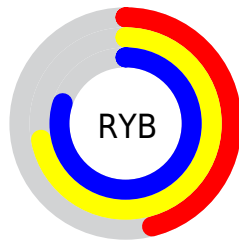
The XYZ color **34.1749, 49.0816, 34.4606** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.3176, 28.9696, 45.1161**, and the grayscale version is **39.0671, 41.1016, 44.7597**.

A 20% lighter version of the original color is **63.5244, 84.6422, 67.0223**, and **14.8177, 23.3598, 14.3176** is the 20% darker color. If you saturate the color by 10%, you get **30.6850, 47.4010, 29.0070**, and if you desaturate by 10%, it is **38.3994, 51.1283, 40.6447**.

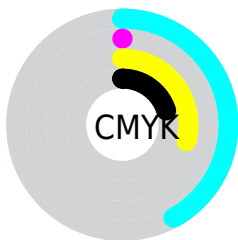
Distribution



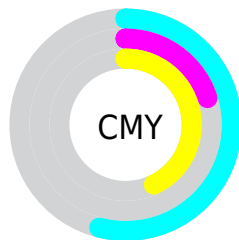
- Red (46%)
- Green (80%)
- Blue (57%)



- Red (46%)
- Yellow (72%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)





- Cyan (54%)
- Magenta (20%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1749, 49.0816, 34.4606 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 34.1749, 49.0816, 34.4606 by changing the saturation by 10% instead.

 34.1749, 49.0816,
34.4606


 34.1749, 49.0816,
34.4606


312.4834,
383.0635, 337.0126


 23.1915, 34.6842,
22.9674

 65.5480, 88.8126,
67.7914

 14.8565, 23.4197,
14.3644

 86.6685, 114.9151,
90.4661

 8.8044, 14.9037,
8.2329


 111.8987,
145.6880, 117.7050

 4.6699, 8.7519,
4.1544

141.6041,
181.5158, 149.9268

 2.0877, 4.5797,
1.7104

176.1498,
222.7828, 187.5499

 0.6825, 2.0028,
0.3679

215.9014,

 0.0000, 0.6091,

269.8735, 230.9929

0.0000

261.2242,
323.1723, 280.6743

■ 0.0000, 0.0000,
0.0000

■ 34.1749, 49.0816,
34.4606

■ 34.1749, 49.0816,
34.4606

■ 30.6850, 47.4010,
29.0070

■ 38.3994, 51.1283,
40.6447

■ 27.8821, 46.0583,
24.2535

■ 43.3948, 53.5552,
47.5818

■ 25.7187, 45.0312,
20.1723


■ 49.1995, 56.3828,
55.2974


■ 24.1394, 44.2915,
16.7323


■ 55.8481, 59.6287,
63.8148


■ 23.0783, 43.8061,
13.8999

■ 63.3732, 63.3090,
73.1564

 22.5206, 43.5583,
12.0782

 71.8057, 67.4394,
83.3437

 79.0072, 70.9169,
94.2957

 80.8838, 71.6676,
104.1779

Harmonies

Analogous

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



38.9803, 49.0816, 23.3670



34.1749, 49.0816, 34.4606



32.6059, 49.0816, 54.3007

Triad

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



34.1749, 49.0816, 34.4606



46.9496, 49.0816, 112.4330



61.4844, 49.0816, 33.3676

Complementary

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



34.1749, 49.0816, 34.4606



39.3176, 28.9696, 45.1161

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.



64.2406, 49.0816, 52.5915



34.1749, 49.0816, 34.4606



55.2663, 49.0816, 102.1398

Square

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



34.1749, 49.0816, 34.4606



39.4406, 49.0816, 103.4617



61.8438, 49.0816, 78.3588



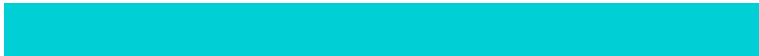
54.6897, 49.0816, 22.8781

Rectangle

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



34.1749, 49.0816, 34.4606



33.4415, 49.0816, 71.3715



61.8438, 49.0816, 78.3588



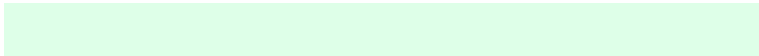
62.9473, 49.0816, 38.7980

Sweetspot

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



34.1762, 49.0836, 34.4617



80.4404, 92.8668, 90.2213



43.2706, 53.9846, 25.2795



16.7387, 19.6439, 18.6816



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.



34.1762, 49.0836, 34.4617



51.0729, 78.6213, 48.4540



38.0138, 50.6187, 54.6703



11.2107, 12.5940, 12.6670



14.2115, 27.4299, 7.7987



0.7675, 1.4288, 0.5834

Inverse Universe

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



39.3176, 28.9696, 45.1161



60.7267, 40.7783, 68.4030



35.7689, 27.5501, 26.4287



11.5318, 11.3415, 13.3351



18.6944, 9.2884, 16.6414



0.9977, 0.4925, 1.0340

Previews

White Background



This preview shows how the XYZ color 34.1749, 49.0816, 34.4606 looks on a white background.

Color Contrast Check

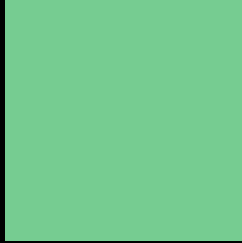
Large Text (above 18pt) WCAG AA × Fail

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 34.1749, 49.0816, 34.4606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

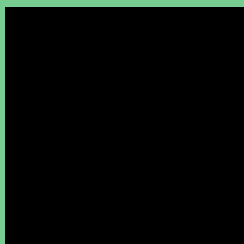
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1749, 49.0816, 34.4606

Background



This preview shows how black text looks on a background with the XYZ color 34.1749, 49.0816, 34.4606.



This preview shows how white text looks on a background with the XYZ color 34.1749, 49.0816,

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

34.1749, 49.0816, 34.4606

Protanopia

45.3461, 48.6176, 30.2867

Deuteranopia

49.5306, 48.5222, 36.0333



Tritanopia

40.9458, 48.7199, 68.8738

Trichromacy



Original Color

34.1749, 49.0816, 34.4606



Protanomaly

40.0874, 48.1094, 31.5993



Deuteranomaly

42.0175, 47.4139, 35.3710



Tritanomaly

38.0658, 48.5652, 54.3815

Monochromacy



Original Color

34.1749, 49.0816, 34.4606



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6110, 43.5650, 40.6617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1749, 49.0816, 34.4606 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(118, 204, 145)` looks like.

```
.text, #text, p{  
    color:rgb(118, 204, 145)  
}
```

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(118, 204, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 204, 145) }
```

Border

The CSS property to change the border of an element to XYZ 34.1749, 49.0816, 34.4606 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(118, 204, 145) }
```


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

```
.border{ border-color:rgb(118, 204, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 204, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 204, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 204, 145);  
box-shadow:4px 4px 4px 4px rgb(118, 204,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1749, 49.0816, 34.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 204, 145) }
```

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

```
.background{ background-color: rgb(118,  
204, 145) }
```

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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