

Converting Colors

XYZ(34.1207, 48.7707, 35.8060)

Have a look what the booklet for
XYZ(34.1207, 48.7707, 35.8060)
contains.

XYZ(34.0374, 48.6319, 35.6099)	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(34.0374, 48.6319,
35.6099)**

Conversions

Conversions Part 1

Format	Color
Hex	75CB94
RGB	117, 203, 148
RGB Percent	46%, 80%, 58%
CMY	0.5412, 0.2039, 0.4196
CMYK	0.42, 0.00, 0.27, 0.20
HSL	142°, 45%, 63%
HSV	142°, 42%, 80%
XYZ	34.0374, 48.6319, 35.6099
YIQ	171.0160, -33.6010, -35.3370

Conversions

Conversions Part 2

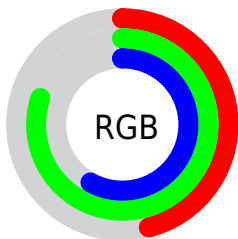
Format	Color
RYB	117, 180, 203
Decimal	7719828
CIELab	75.22, -38.13, 19.48
CIELCh	75, 42.820, 152.934
Yxy	48.6319, 0.2878, 0.4112
Android (android.graphics.Color)	4285909908 (0xFF75CB94)
YUV	171.0160, -11.3469, -47.3720
Hunter-Lab	69.7366, -34.9158, 18.5401

Details

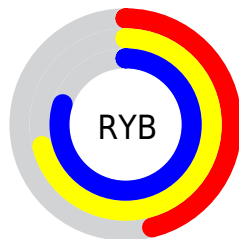
The XYZ color **34.0374, 48.6319, 35.6099** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.4380, 28.3988, 42.4874**, and the grayscale version is **38.7851, 40.8049, 44.4366**.

A 20% lighter version of the original color is **63.6543, 84.6685, 68.8648**, and **14.7342, 23.0670, 14.9851** is the 20% darker color. If you saturate the color by 10%, you get **30.6294, 46.9885, 30.3840**, and if you desaturate by 10%, it is **38.1547, 50.6303, 41.4729**.

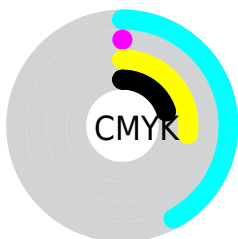
Distribution



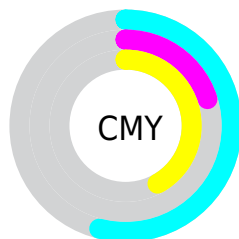
- Red (46%)
- Green (80%)
- Blue (58%)



- Red (46%)
- Yellow (71%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (54%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0374, 48.6319, 35.6099 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 34.0374, 48.6319, 35.6099 by changing the saturation by 10% instead.


 34.0374, 48.6319,
35.6099


 34.0374, 48.6319,
35.6099


311.8818,
381.2914, 342.2380


 23.0854, 34.3276,
23.8458


 65.3357, 88.1445,
69.5918

 14.7776, 23.1454,
15.0081

 86.4127, 114.1216,
92.6466

 8.7487, 14.7009,
8.6784


 111.5954,
144.7583, 120.3021

 4.6335, 8.6097,
4.4381

141.2492,
180.4392, 152.9767

 2.0664, 4.4875,
1.8686

175.7393,
221.5485, 191.0891

 0.6708, 1.9498,
0.4727

215.4312,

 0.0000, 0.5781,

268.4707, 235.0577

0.0000

260.6903,
321.5902, 285.3012

■ 0.0000, 0.0000,
0.0000

■ 34.0374, 48.6319,
35.6099

■ 34.0374, 48.6319,
35.6099

■ 30.6294, 46.9885,
30.3840

■ 38.1547, 50.6303,
41.4729

■ 27.8844, 45.6727,
25.7700

■ 43.0162, 52.9973,
47.9903

■ 25.7565, 44.6626,
21.7461


■ 48.6591, 55.7530,
55.1829

■ 24.1920, 43.9310,
18.2877


■ 55.1169, 58.9142,
63.0697


■ 23.1268, 43.4454,
15.3681

■ 62.4210, 62.4968,
71.6687

 22.5652, 43.1970,
13.4821

 70.6012, 66.5159,
80.9973

 78.1595, 70.1987,
91.0010

 80.1463, 70.9934,
101.4631

 80.6468, 71.1937,
104.0989

Harmonies

Analogous

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



38.4893, 48.6319, 24.3154



34.0374, 48.6319, 35.6099



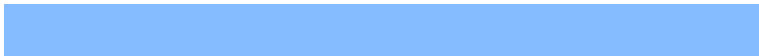
32.7222, 48.6319, 55.1968

Triad

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



34.0374, 48.6319, 35.6099



47.0005, 48.6319, 108.9536



60.0916, 48.6319, 32.7468

Complementary

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



34.0374, 48.6319, 35.6099



38.4380, 28.3988, 42.4874

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.



63.0047, 48.6319, 50.7686



34.0374, 48.6319, 35.6099



54.9292, 48.6319, 98.1775

Square

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



34.0374, 48.6319, 35.6099



39.6866, 48.6319, 101.5570



61.0172, 48.6319, 75.1696



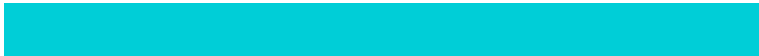
53.4407, 48.6319, 23.0213

Rectangle

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



34.0374, 48.6319, 35.6099



33.6636, 48.6319, 71.6565



61.0172, 48.6319, 75.1696



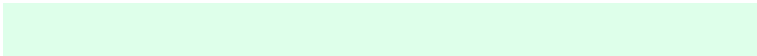
61.5725, 48.6319, 37.8233

Sweetspot

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



34.0387, 48.6339, 35.6110



80.6607, 92.9549, 91.3815



41.7800, 52.8713, 24.8334



16.7927, 19.6655, 18.9659



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.



34.0387, 48.6339, 35.6110



51.6399, 78.8481, 51.4402



37.9988, 50.2180, 56.4649



11.2323, 12.6027, 12.7810



14.3997, 27.5052, 8.7898



0.7790, 1.4334, 0.6436

Inverse Universe

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



38.4380, 28.3988, 42.4874



59.9676, 40.4747, 64.4056



35.0139, 27.0292, 24.4565



11.5092, 11.3324, 13.2163



18.2753, 9.1207, 14.4342



0.9783, 0.4847, 0.9316

Previews

White Background



This preview shows how the XYZ color 34.0374, 48.6319, 35.6099 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 34.0374, 48.6319, 35.6099 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 34.0374, 48.6319, 35.6099

Background



This preview shows how black text looks on a background with the XYZ color 34.0374, 48.6319, 35.6099.



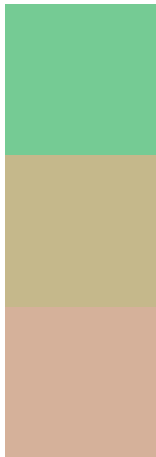
This preview shows how white text looks on a background with the XYZ color 34.0374, 48.6319,

35.6099.

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

34.0374, 48.6319, 35.6099

Protanopia

44.8266, 48.0154, 31.3314

Deuteranopia

48.9954, 47.9235, 37.2397



Tritanopia

40.6331, 48.5587, 68.8592

Trichromacy



Original Color

34.0374, 48.6319, 35.6099



Protanomaly

39.6617, 47.5394, 32.6768



Deuteranomaly

41.5865, 46.8498, 36.5568



Tritanomaly

37.8754, 48.4546, 54.9334

Monochromacy



Original Color

34.0374, 48.6319, 35.6099



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3068, 43.0906, 41.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0374, 48.6319, 35.6099 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(117, 203, 148)` looks like.

```
.text, #text, p{  
    color:rgb(117, 203, 148)  
}
```

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(117, 203, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 203, 148) }
```

Border

The CSS property to change the border of an element to XYZ 34.0374, 48.6319, 35.6099 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(117, 203, 148) }
```


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

```
.border{ border-color:rgb(117, 203, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 203, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 203, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 203, 148);  
box-shadow:4px 4px 4px 4px rgb(117, 203,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0374, 48.6319, 35.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 203, 148) }
```

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

```
.background{ background-color: rgb(117,  
203, 148) }
```

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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