

Converting Colors

XYZ(33.5940, 47.0098, 35.7370)

Have a look what the booklet for
XYZ(33.5940, 47.0098, 35.7370)
contains.

XYZ(33.5940, 47.0098, 35.7370)	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(33.5940, 47.0098,
35.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	78C795
RGB	120, 199, 149
RGB Percent	47%, 78%, 58%
CMY	0.5294, 0.2196, 0.4157
CMYK	0.40, 0.00, 0.25, 0.22
HSL	142°, 41%, 63%
HSV	142°, 40%, 78%
XYZ	33.5940, 47.0098, 35.7370
YIQ	169.6790, -31.0340, -32.2980

Conversions

Conversions Part 2

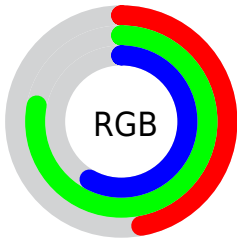
Format	Color
RYB	120, 178, 199
Decimal	7915413
CIELab	74.20, -35.26, 17.55
CIELCh	74, 39.385, 153.536
Yxy	47.0098, 0.2888, 0.4041
Android (android.graphics.Color)	4286105493 (0xFF78C795)
YUV	169.6790, -10.1947, -43.5685
Hunter-Lab	68.5637, -32.5272, 17.0913

Details

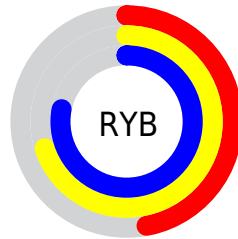
The XYZ color **33.5940, 47.0098, 35.7370** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.5270, 28.4785, 41.5512**, and the grayscale version is **38.1099, 40.0946, 43.6630**.

A 20% lighter version of the original color is **64.2187, 84.9458, 69.5114**, and **14.5768, 22.2909, 15.0896** is the 20% darker color. If you saturate the color by 10%, you get **30.1639, 45.3528, 30.6085**, and if you desaturate by 10%, it is **37.7089, 49.0098, 41.4674**.

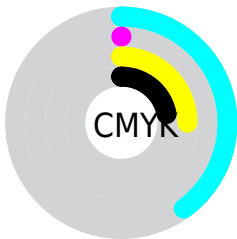
Distribution



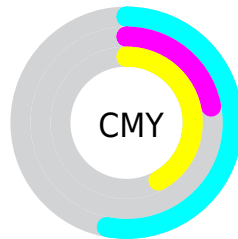
- Red (47%)
- Green (78%)
- Blue (58%)



- Red (47%)
- Yellow (70%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5940, 47.0098, 35.7370 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 33.5940, 47.0098, 35.7370 by changing the saturation by 10% instead.

 33.5940, 47.0098,
35.7370


 33.5940, 47.0098,
35.7370


309.9358,
374.8536, 342.8121


 22.7433, 33.0434,
23.9431


 64.6503, 85.7283,
69.7904

 14.5237, 22.1597,
15.0796


 85.5866, 111.2491,
92.8870

 8.5699, 13.9743,
8.7280


 110.6155,
141.3902, 120.5881

 4.5166, 8.1028,
4.4698

140.1022,
176.5360, 153.3124

 1.9983, 4.1608,
1.8865

174.4123,
217.0708, 191.4785

 0.6330, 1.7639,
0.4841

213.9110,

 0.0000, 0.4645,

263.3791, 235.5047

0.0000

258.9637,
315.8453, 285.8098

■ 0.0000, 0.0000,
0.0000

■ 33.5940, 47.0098,
35.7370

■ 33.5940, 47.0098,
35.7370

■ 30.1639, 45.3528,
30.6085

■ 37.7089, 49.0098,
41.4674

■ 27.3757, 44.0132,
26.0588

■ 42.5409, 51.3653,
47.8153

■ 25.1871, 42.9711,
22.0680


■ 48.1246, 54.0950,
54.7997


■ 23.5490, 42.2013,
18.6139


■ 54.4913, 57.2147,
62.4380


■ 22.4038, 41.6748,
15.6726


■ 61.6705, 60.7393,
70.7468


 21.6487, 41.3392,
13.2165

 69.6901, 64.6827,
79.7419

 21.6285, 41.3302,
13.1496

 76.9751, 68.2329,
89.3639

 78.8827, 68.9959,
99.4093

 79.7143, 69.3285,
103.7881

Harmonies

Analogous

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



37.5913, 47.0098, 25.1306



33.5940, 47.0098, 35.7370



32.4520, 47.0098, 53.6219

Triad

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



33.5940, 47.0098, 35.7370



45.5241, 47.0098, 100.6414



56.9832, 47.0098, 32.5662

Complementary

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



33.5940, 47.0098, 35.7370



37.5270, 28.4785, 41.5512

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.



59.6517, 47.0098, 48.8244



33.5940, 47.0098, 35.7370



52.6112, 47.0098, 90.9277

Square

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



33.5940, 47.0098, 35.7370



38.8990, 47.0098, 94.4913



57.9738, 47.0098, 70.5465



51.0103, 47.0098, 23.6672

Rectangle

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



33.5940, 47.0098, 35.7370



33.3521, 47.0098, 68.3392



57.9738, 47.0098, 70.5465



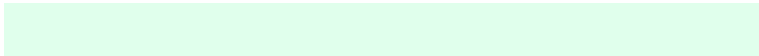
58.3234, 47.0098, 37.1734

Sweetspot

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



33.5953, 47.0117, 35.7381



81.7116, 93.4661, 92.8114



40.4000, 50.7548, 25.4373



17.2052, 19.8665, 19.5126



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.



33.5953, 47.0117, 35.7381



53.3586, 79.6696, 54.4381



37.2982, 48.4929, 55.2373



10.6557, 11.9512, 12.1373



13.9459, 26.5907, 8.6596



0.6952, 1.2730, 0.5934

Inverse Universe

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



37.5270, 28.4785, 41.5512



61.2144, 42.5823, 66.0111



34.3362, 27.2022, 24.7489



10.9115, 10.7480, 12.5174



17.6082, 8.7928, 13.6783



0.8678, 0.4299, 0.8268

Previews

White Background



This preview shows how the XYZ color 33.5940, 47.0098, 35.7370 looks on a white background.

Color Contrast Check

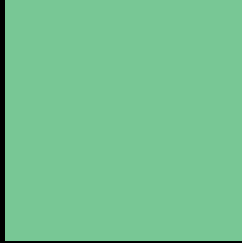
Large Text (above 18pt) WCAG AA × Fail

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 33.5940, 47.0098, 35.7370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

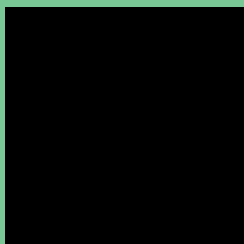
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

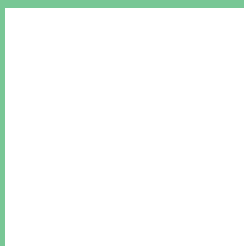
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5940, 47.0098, 35.7370

Background



This preview shows how black text looks on a background with the XYZ color 33.5940, 47.0098, 35.7370.



This preview shows how white text looks on a background with the XYZ color 33.5940, 47.0098,

35.7370.

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

33.5940, 47.0098, 35.7370

Protanopia

43.5797, 46.4402, 31.8663

Deuteranopia

47.4572, 46.5483, 37.0553



Tritanopia

39.5662, 46.7531, 65.9704

Trichromacy



Original Color

33.5940, 47.0098, 35.7370



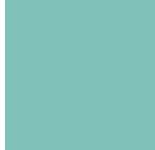
Protanomaly

38.9536, 46.1955, 33.2491



Deuteranomaly

40.9394, 45.8951, 36.4067



Tritanomaly

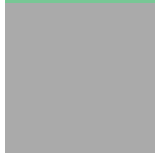
37.0568, 46.7179, 53.5187

Monochromacy



Original Color

33.5940, 47.0098, 35.7370



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.9944, 42.3318, 40.4562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5940, 47.0098, 35.7370 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(120, 199, 149)` looks like.

```
.text, #text, p{  
    color:rgb(120, 199, 149)  
}
```

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(120, 199, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 199, 149) }
```

Border

The CSS property to change the border of an element to XYZ 33.5940, 47.0098, 35.7370 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(120, 199, 149) }
```


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

```
.border{ border-color:rgb(120, 199, 149) }
```

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

Here you see how a box with a 4 pixel rgb(120, 199, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 199, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 199, 149);  
box-shadow:4px 4px 4px 4px rgb(120, 199,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5940, 47.0098, 35.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 199, 149) }
```

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

```
.background{ background-color: rgb(120,  
199, 149) }
```

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