

Converting Colors

XYZ(35.6724, 48.4332, 35.4854)

Have a look what the booklet for
XYZ(35.6724, 48.4332, 35.4854)
contains.

XYZ(35.6724, 48.4332, 35.4854)	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(35.6724, 48.4332,
35.4854)**

Conversions

Conversions Part 1

Format	Color
Hex	85C894
RGB	133, 200, 148
RGB Percent	52%, 78%, 58%
CMY	0.4784, 0.2157, 0.4196
CMYK	0.34, 0.00, 0.26, 0.22
HSL	133°, 38%, 65%
HSV	133°, 34%, 78%
XYZ	35.6724, 48.4332, 35.4854
YIQ	174.0390, -23.2400, -30.3760

Conversions

Conversions Part 2

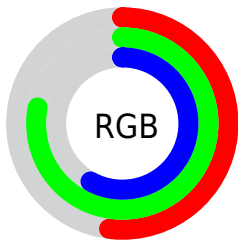
Format	Color
RYB	133, 188, 200
Decimal	8767636
CIELab	75.10, -32.00, 19.43
CIELCh	75, 37.435, 148.733
Yxy	48.4332, 0.2983, 0.4050
Android (android.graphics.Color)	4286957716 (0xFF85C894)
YUV	174.0390, -12.8372, -35.9912
Hunter-Lab	69.5940, -30.2941, 18.4843

Details

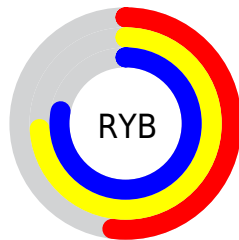
The XYZ color **35.6724, 48.4332, 35.4854** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.9655, 32.5582, 50.0259**, and the grayscale version is **40.3256, 42.4256, 46.2015**.

A 20% lighter version of the original color is **67.1597, 86.4756, 69.0289**, and **15.7448, 23.1263, 14.9432** is the 20% darker color. If you saturate the color by 10%, you get **31.6631, 46.5003, 29.3088**, and if you desaturate by 10%, it is **40.4503, 50.7460, 42.5603**.

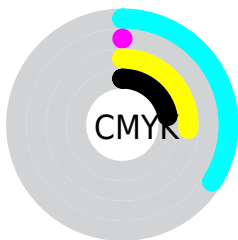
Distribution



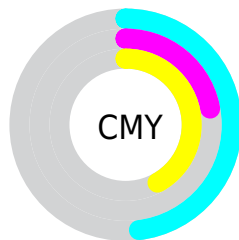
- Red (52%)
- Green (78%)
- Blue (58%)



- Red (52%)
- Yellow (74%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6724, 48.4332, 35.4854 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 35.6724, 48.4332, 35.4854 by changing the saturation by 10% instead.


 35.6724, 48.4332,
35.4854


 35.6724, 48.4332,
35.4854


318.9827,
380.5067, 341.6748


 24.3502, 34.1701,
23.7505


 67.8533, 87.8490,
69.3971

 15.7198, 23.0243,
14.9381


 89.4427, 113.7706,
92.4110

 9.4157, 14.6114,
8.6298


 115.1853,
144.3470, 120.0217

 5.0725, 8.5471,
4.4070

145.4464,
179.9627, 152.6476

 2.3251, 4.4470,
1.8512

180.5913,
221.0022, 190.7073

 0.8075, 1.9266,
0.4614

220.9854,

 0.0000, 0.5643,

267.8497, 234.6194

0.0000

266.9941,
320.8897, 284.8024

■ 0.0000, 0.0000,
0.0000

■ 35.6724, 48.4332,
35.4854

■ 35.6724, 48.4332,
35.4854

■ 31.6631, 46.5003,
29.3088

■ 40.4503, 50.7460,
42.5603

■ 28.3778, 44.9209,
23.9912

■ 46.0306, 53.4514,
50.5639

■ 25.7731, 43.6750,
19.4954

■ 52.4498, 56.5689,
59.5296

■ 23.7995, 42.7377,
15.7802

■ 59.7409, 60.1147,
69.4878

■ 22.4002, 42.0809,
12.8007

■ 67.9352, 64.1044,
80.4677

■ 21.5075, 41.6705,
10.5073

■ 77.0622, 68.5528,
92.4974

■ 21.1246, 41.4982,
9.3568

■ 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



39.9905, 48.4332, 26.0998



35.6724, 48.4332, 35.4854



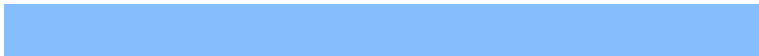
34.0859, 48.4332, 51.9060

Triad

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



35.6724, 48.4332, 35.4854



45.7437, 48.4332, 100.1306



58.5716, 48.4332, 36.6061

Complementary

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



35.6724, 48.4332, 35.4854



40.9655, 32.5582, 50.0259

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.



60.4920, 48.4332, 53.5738



35.6724, 48.4332, 35.4854



52.6583, 48.4332, 93.1922

Square

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



35.6724, 48.4332, 35.4854



39.5331, 48.4332, 91.9786



58.2304, 48.4332, 74.8279



53.2118, 48.4332, 26.6250

Rectangle

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



35.6724, 48.4332, 35.4854



34.6572, 48.4332, 65.7962



58.2304, 48.4332, 74.8279



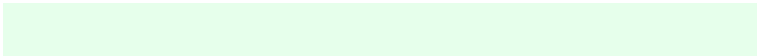
59.6629, 48.4332, 41.5288

Sweetspot

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



35.6737, 48.4352, 35.4865



83.2585, 94.2706, 92.5636



45.0141, 53.3788, 30.1213



17.4923, 20.0184, 19.3510



0.0000, 0.0000, 0.0000



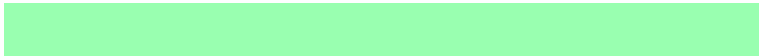
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.6737, 48.4352, 35.4865



56.7171, 81.4204, 53.7157



38.6708, 49.6341, 51.2689



10.5931, 11.9261, 11.8074



13.4594, 26.3962, 6.0980



0.6656, 1.2612, 0.4379

Inverse Universe

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



40.9655, 32.5582, 50.0259



67.2200, 49.8780, 82.5506



37.8744, 31.3218, 33.7489



10.9776, 10.7744, 12.8651



18.9540, 9.3312, 20.7656



0.9232, 0.4521, 1.1189

Previews

White Background



This preview shows how the XYZ color 35.6724, 48.4332, 35.4854 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 35.6724, 48.4332, 35.4854 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 35.6724, 48.4332, 35.4854

Background



This preview shows how black text looks on a background with the XYZ color 35.6724, 48.4332, 35.4854.



This preview shows how white text looks on a background with the XYZ color 35.6724, 48.4332,

35.4854.

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

35.6724, 48.4332, 35.4854

Protanopia

44.9742, 48.0744, 32.1082

Deuteranopia

48.9125, 47.8903, 36.8028



Tritanopia

41.9119, 48.2731, 66.7832

Trichromacy



Original Color

35.6724, 48.4332, 35.4854

Protanomaly

40.9031, 47.8392, 33.4636

Deuteranomaly

42.7020, 47.1226, 36.1231

Tritanomaly

39.3625, 48.2381, 53.6906

Monochromacy



Original Color

35.6724, 48.4332, 35.4854

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.0231, 43.9545, 42.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6724, 48.4332, 35.4854 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(133, 200, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 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(133, 200, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 148) }
```

Border

The CSS property to change the border of an element to XYZ 35.6724, 48.4332, 35.4854 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(133, 200, 148) }
```


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

```
.border{ border-color:rgb(133, 200, 148) }
```

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

Here you see how a box with a 4 pixel rgb(133, 200, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6724, 48.4332, 35.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 148) }
```

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

```
.background{ background-color: rgb(133,  
200, 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](#).

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