

Converting Colors

XYZ(34.8856, 45.2414, 38.5433)

Have a look what the booklet for
XYZ(34.8856, 45.2414, 38.5433)
contains.

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Color

**XYZ(34.8421, 45.2505,
38.3503)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 87C09C |
| RGB | 135, 192, 156 |
| RGB Percent | 53%, 75%, 61% |
| CMY | 0.4706, 0.2470, 0.3882 |
| CMYK | 0.30, 0.00, 0.19, 0.25 |
| HSL | 142°, 31%, 64% |
| HSV | 142°, 30%, 75% |
| XYZ | 34.8421, 45.2505, 38.3503 |
| YIQ | 170.8530, -22.4160, -23.2800 |

Conversions

Conversions Part 2

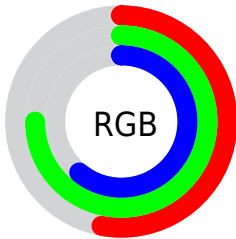
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 135, 177, 192 |
| Decimal | 8896668 |
| CIELab | 73.06, -26.02, 12.30 |
| CIELCh | 73, 28.784, 154.695 |
| Yxy | 45.2505, 0.2942, 0.3820 |
| Android (android.graphics.Color) | 4287086748 (0xFF87C09C) |
| YUV | 170.8530, -7.3225, -31.4431 |
| Hunter-Lab | 67.2685, -25.2648, 13.2862 |

Details

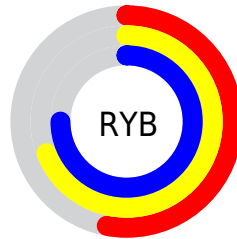
The XYZ color **34.8421, 45.2505, 38.3503** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.7545, 31.4758, 42.6157**, and the grayscale version is **38.6796, 40.6939, 44.3157**.

A 20% lighter version of the original color is **66.6198, 83.2733, 74.1901**, and **15.2056, 21.0359, 16.6235** is the 20% darker color. If you saturate the color by 10%, you get **31.0510, 43.4102, 33.0778**, and if you desaturate by 10%, it is **39.2953, 47.4228, 44.1910**.

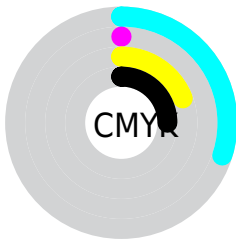
Distribution



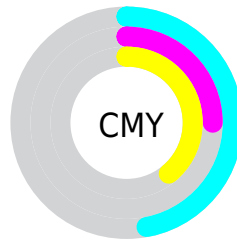
- Red (53%)
- Green (75%)
- Blue (61%)



- Red (53%)
- Yellow (69%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (19%)
- Black (25%)





- Cyan (47%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8421, 45.2505, 38.3503 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 34.8421, 45.2505, 38.3503 by changing the saturation by 10% instead.


 34.8421, 45.2505,
38.3503


 34.8421, 45.2505,
38.3503


315.3911,
367.7871, 354.4634


 23.7072, 31.6548,
25.9507


 66.5767, 83.0962,
73.8541

 15.2401, 21.0980,
16.5614


 87.9072, 108.1149,
97.7954

 9.0755, 13.1956,
9.7636


 113.3668,
137.7102, 126.4211

 4.8480, 7.5634,
5.1390

143.3211,
172.2663, 160.1497

 2.1922, 3.8169,
2.2689

178.1353,
212.1676, 199.3996

 0.7386, 1.5717,
0.7137

218.1748,

 0.0000, 0.3384,

257.7986, 244.5895

0.0000

263.8049,
309.5437, 296.1380

■ 0.0000, 0.0000,
0.0000

■ 34.8421, 45.2505,
38.3503

■ 34.8421, 45.2505,
38.3503

■ 31.0510, 43.4102,
33.0778

■ 39.2953, 47.4228,
44.1910

■ 27.8855, 41.8796,
28.3532

■ 44.4375, 49.9369,
50.6132

■ 25.3107, 40.6424,
24.1596

■ 50.2986, 52.8091,
57.6337

■ 23.2870, 39.6785,
20.4779

■ 56.9055, 56.0529,
65.2675

■ 21.7695, 38.9652,
17.2878

■ 64.2838, 59.6814,
73.5292

■ 20.7055, 38.4759,
14.5676

■ 72.4578, 63.7066,
82.4330

■ 19.9990, 38.1612,
12.2921

■ 75.9512, 65.3053,
91.7349

■ 19.9793, 38.1525,
12.2279

■ 77.8228, 66.0539,
101.5904

■ 78.1405, 66.1810,
103.2635

Harmonies

Analogous

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



37.7338, 45.2505, 29.8194



34.8421, 45.2505, 38.3503



34.0694, 45.2505, 51.5733

Triad

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



34.8421, 45.2505, 38.3503



43.8061, 45.2505, 82.3663



51.4644, 45.2505, 35.1211

Complementary

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



34.8421, 45.2505, 38.3503



37.7545, 31.4758, 42.6157

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.



53.3903, 45.2505, 47.0365



34.8421, 45.2505, 38.3503



48.7548, 45.2505, 75.7434

Square

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



34.8421, 45.2505, 38.3503



39.0050, 45.2505, 78.8050



52.3622, 45.2505, 62.0878



47.2786, 45.2505, 28.2257

Rectangle

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



34.8421, 45.2505, 38.3503



34.8043, 45.2505, 61.7769



52.3622, 45.2505, 62.0878



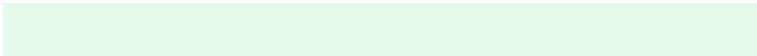
52.4118, 45.2505, 38.5766

Sweetspot

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



34.8433, 45.2524, 38.3513



81.0583, 90.7450, 92.3679



40.0408, 48.1198, 30.1000



17.0768, 19.3147, 19.4332



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.8433, 45.2524, 38.3513



58.2734, 79.6299, 62.7971



37.5366, 46.3297, 52.5337



10.0944, 11.3188, 11.5005



13.4780, 25.6853, 8.4101



0.6157, 1.1231, 0.5390

Inverse Universe

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



37.7545, 31.4758, 42.6157



64.4410, 50.4221, 71.8160



35.3313, 30.5065, 29.8550



10.3348, 10.1825, 11.8535



16.9994, 8.4895, 13.1746



0.7668, 0.3797, 0.7393

Previews

White Background



This preview shows how the XYZ color 34.8421, 45.2505, 38.3503 looks on a white background.

Color Contrast Check

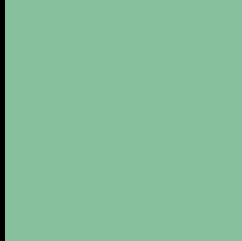
Large Text (above 18pt) WCAG AA × Fail

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 34.8421, 45.2505, 38.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

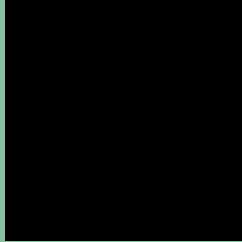
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8421, 45.2505, 38.3503

Background



This preview shows how black text looks on a background with the XYZ color 34.8421, 45.2505, 38.3503.



This preview shows how white text looks on a background with the XYZ color 34.8421, 45.2505,

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

34.8421, 45.2505, 38.3503

Protanopia

42.3315, 44.8295, 34.8556

Deuteranopia

45.7263, 44.7396, 39.4833



Tritanopia

39.6031, 45.2641, 61.9079

Trichromacy



Original Color

34.8421, 45.2505, 38.3503

Protanomaly

38.9632, 44.5690, 36.2549

Deuteranomaly

40.7382, 44.2084, 39.1868

Tritanomaly

37.7247, 45.1319, 52.6220

Monochromacy



Original Color

34.8421, 45.2505, 38.3503

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.1036, 42.2625, 42.2783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8421, 45.2505, 38.3503 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(135, 192, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 192, 156)  
}
```

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(135, 192, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 192, 156) }
```

Border

The CSS property to change the border of an element to XYZ 34.8421, 45.2505, 38.3503 is called "border". The border property can be set on classes, ids or directly on the HTML element.

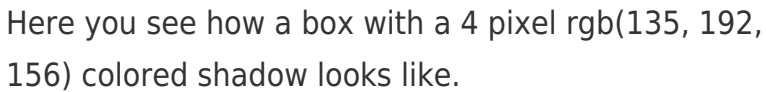
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 192, 156) }
```


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

```
.border{ border-color:rgb(135, 192, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 192, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 192, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 192, 156); box-shadow:4px 4px 4px 4px rgb(135, 192, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8421, 45.2505, 38.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 192, 156) }
```

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

```
.background{ background-color: rgb(135,  
192, 156) }
```

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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