

Converting Colors

XYZ(34.7806, 38.6658, 45.6745)

Have a look what the booklet for
XYZ(34.7806, 38.6658, 45.6745)
contains.

XYZ(34.7806, 38.6658, 45.6745)	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(34.7806, 38.6658,
45.6745)**

Conversions

Conversions Part 1

Format	Color
Hex	96ABAE
RGB	150, 171, 174
RGB Percent	59%, 67%, 68%
CMY	0.4118, 0.3294, 0.3176
CMYK	0.14, 0.02, 0.00, 0.32
HSL	187°, 13%, 64%
HSV	187°, 14%, 68%
XYZ	34.7806, 38.6658, 45.6745
YIQ	165.0630, -13.4790, -3.5190

Conversions

Conversions Part 2

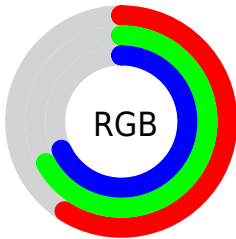
Format	Color
RYB	150, 161, 174
Decimal	9874350
CIELab	68.51, -6.63, -4.01
CIElCh	69, 7.748, 211.181
Yxy	38.6658, 0.2920, 0.3246
Android (android.graphics.Color)	4288064430 (0xFF96ABAE)
YUV	165.0630, 4.4059, -13.2103
Hunter-Lab	62.1818, -8.9765, -0.0231

Details

The XYZ color **34.7806, 38.6658, 45.6745** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3522, 33.9832, 33.6039**, and the grayscale version is **35.7794, 37.6428, 40.9930**.

A 20% lighter version of the original color is **66.2411, 72.8872, 84.7061**, and **15.2553, 17.2514, 20.9382** is the 20% darker color. If you saturate the color by 10%, you get **31.4066, 36.3230, 45.4007**, and if you desaturate by 10%, it is **38.6391, 41.2704, 45.9745**.

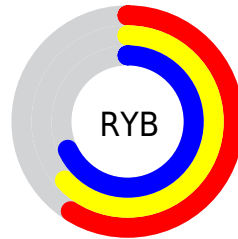
Distribution



Red (59%)

Green (67%)

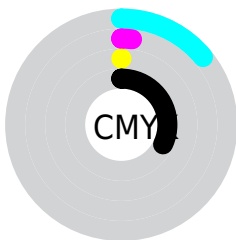
Blue (68%)



Red (59%)

Yellow (63%)

Blue (68%)

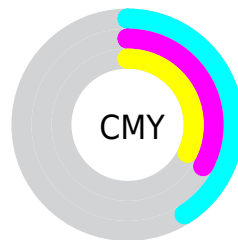


Cyan (14%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (41%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7806, 38.6658, 45.6745 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 34.7806, 38.6658, 45.6745 by changing the saturation by 10% instead.

■ 34.7806, 38.6658,
45.6745

■ 34.7806, 38.6658,
45.6745

315.1239,
340.4675, 385.7380

■ 23.6596, 26.4998,
31.6422

■ 66.4820, 73.1275,
85.0608

■ 15.2047, 17.1979,
20.8258

■ 87.7932, 96.1920,
111.2519

■ 9.0504, 10.3757,
12.8067

113.2318,
123.6582, 142.3330

■ 4.8315, 5.6488,
7.1664

143.1632,
155.9104, 178.7227

■ 2.1825, 2.6327,
3.4864

177.9527,
193.3330, 220.8395

■ 0.7335, 0.9431,
1.3480

217.9658,

■ 0.0000, 0.0000,

236.3105, 269.1020

0.1007

263.5677,
285.2272, 323.9286

■ 0.0000, 0.0000,
0.0000

■ 34.7806, 38.6658,
45.6745

■ 34.7806, 38.6658,
45.6745

■ 31.4066, 36.3230,
45.4007

■ 38.6391, 41.2704,
45.9745

■ 28.4928, 34.2264,
45.1496

■ 42.9983, 44.1422,
46.2991

■ 26.0178, 32.3659,
44.9210

■ 47.8778, 47.2924,
46.6499

■ 23.9574, 30.7290,
44.7136

■ 53.2953, 50.7301,
47.0279

■ 22.2846, 29.3018,
44.5263

■ 59.2675, 54.4639,
47.4338

■ 20.9695, 28.0688,
44.3576

■ 65.8103, 58.5022,
47.8685

■ 19.9777, 27.0122,
44.2059

■ 66.4848, 59.5255,
48.0304

■ 19.2679, 26.1106,
44.0693

■ 66.9469, 60.4496,
48.1845

■ 18.9117, 25.5993,
43.9894

■ 67.4160, 61.3878,
48.3408

Harmonies

Analogous

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



34.4555, 38.6658, 42.2391



34.7806, 38.6658, 45.6745



35.6318, 38.6658, 48.2635

Triad

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



34.7806, 38.6658, 45.6745



38.8439, 38.6658, 45.4218



36.7024, 38.6658, 35.7362

Complementary

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



34.7806, 38.6658, 45.6745



34.3522, 33.9832, 33.6039

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.



37.8928, 38.6658, 36.4858



34.7806, 38.6658, 45.6745



39.1456, 38.6658, 41.9622

Square

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



34.7806, 38.6658, 45.6745



37.9783, 38.6658, 48.1120



38.7938, 38.6658, 38.7179



35.5498, 38.6658, 36.6118

Rectangle

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



34.7806, 38.6658, 45.6745



36.3923, 38.6658, 49.0924



38.7938, 38.6658, 38.7179



37.1114, 38.6658, 35.8061

Sweetspot

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



34.7817, 38.6674, 45.6754



69.8798, 74.7217, 83.3765



33.4477, 39.0501, 35.8258



15.4094, 16.5262, 18.5220



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.7817, 38.6674, 45.6754



60.8442, 68.5936, 82.6699



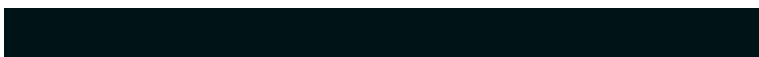
32.6510, 34.4060, 44.9651



8.1497, 8.8988, 10.2408



13.7463, 18.6264, 31.9153



0.4058, 0.5649, 0.8956

Inverse Universe

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



35.7135, 33.7526, 43.1624



62.9272, 57.7278, 77.0252



36.3804, 38.0396, 34.2799



8.2934, 8.1306, 9.8557



16.8021, 8.1834, 22.4012



0.4792, 0.2324, 0.6853

Previews

White Background



This preview shows how the XYZ color 34.7806, 38.6658, 45.6745 looks on a white background.

Color Contrast Check

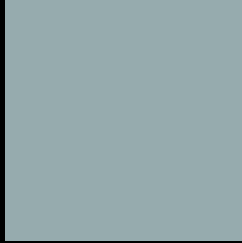
Large Text (above 18pt) WCAG AA × Fail

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 34.7806, 38.6658, 45.6745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

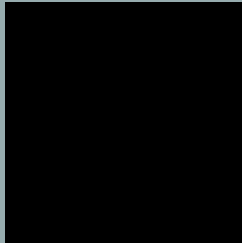
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7806, 38.6658, 45.6745

Background



This preview shows how black text looks on a background with the XYZ color 34.7806, 38.6658, 45.6745.



This preview shows how white text looks on a background with the XYZ color 34.7806, 38.6658,

45.6745.

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

34.7806, 38.6658, 45.6745

Protanopia

37.1354, 38.5375, 44.0093

Deuteranopia

39.3472, 38.5590, 46.4431



Tritanopia

35.8709, 38.8437, 50.4067

Trichromacy



Original Color

34.7806, 38.6658, 45.6745

Protanomaly

36.1470, 38.5609, 44.5676

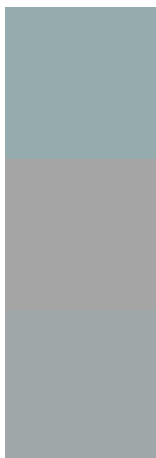
Deuteranomaly

37.3414, 38.3302, 45.9878

Tritanomaly

35.3754, 38.6240, 48.7707

Monochromacy



Original Color

34.7806, 38.6658, 45.6745

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3838, 37.9382, 42.5037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7806, 38.6658, 45.6745 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(150, 171, 174)` looks like.

```
.text, #text, p{  
    color:rgb(150, 171, 174)  
}
```

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(150, 171, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 171, 174) }
```

Border

The CSS property to change the border of an element to XYZ 34.7806, 38.6658, 45.6745 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(150, 171, 174) }
```


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

```
.border{ border-color:rgb(150, 171, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 171, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 171, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 171, 174);  
box-shadow:4px 4px 4px 4px rgb(150, 171,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7806, 38.6658, 45.6745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 171, 174) }
```

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

```
.background{ background-color: rgb(150,  
171, 174) }
```

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