

Converting Colors

XYZ(33.5729, 37.9720, 45.4940)

Have a look what the booklet for
XYZ(33.5729, 37.9720, 45.4940)
contains.

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Color

**XYZ(33.7045, 38.1111,
45.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	90ABAE
RGB	144, 171, 174
RGB Percent	56%, 67%, 68%
CMY	0.4353, 0.3294, 0.3176
CMYK	0.17, 0.02, 0.00, 0.32
HSL	186°, 16%, 62%
HSV	186°, 17%, 68%
XYZ	33.7045, 38.1111, 45.6242
YIQ	163.2690, -17.0550, -4.7910

Conversions

Conversions Part 2

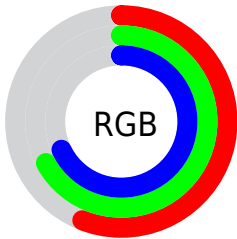
Format	Color
RYB	144, 158, 174
Decimal	9481134
CIELab	68.10, -8.61, -4.66
CIElCh	68, 9.785, 208.419
Yxy	38.1111, 0.2870, 0.3245
Android (android.graphics.Color)	4287671214 (0xFF90ABAE)
YUV	163.2690, 5.2904, -16.8989
Hunter-Lab	61.7342, -10.5807, -0.6039

Details

The XYZ color **33.7045, 38.1111, 45.6242** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9237, 31.8798, 30.8044**, and the grayscale version is **34.9223, 36.7410, 40.0109**.

A 20% lighter version of the original color is **64.6279, 72.0556, 84.6306**, and **14.6239, 16.9259, 20.9086** is the 20% darker color. If you saturate the color by 10%, you get **30.5706, 36.0121, 45.3848**, and if you desaturate by 10%, it is **37.3134, 40.4633, 45.8886**.

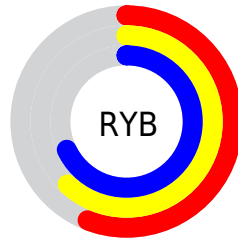
Distribution



Red (56%)

Green (67%)

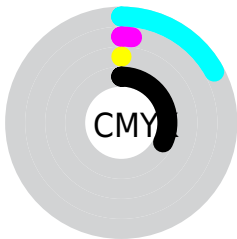
Blue (68%)



Red (56%)

Yellow (62%)

Blue (68%)

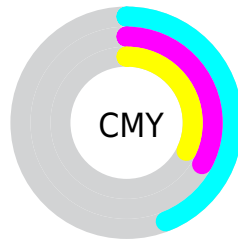


Cyan (17%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (44%)

Magenta (33%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7045, 38.1111, 45.6242 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 33.7045, 38.1111, 45.6242 by changing the saturation by 10% instead.

■ 33.7045, 38.1111,
45.6242

■ 33.7045, 38.1111,
45.6242

310.4216,
338.0963, 385.5293

■ 22.8285, 26.0689,
31.6029

■ 64.8212, 72.2784,
84.9846

■ 14.5869, 16.8752,
20.7960

■ 85.7927, 95.1723,
111.1608

■ 8.6144, 10.1456,
12.7852

110.8599,
122.4522, 142.2257

■ 4.5456, 5.4956,
7.1518

140.3884,
154.5026, 178.5978

■ 2.0152, 2.5409,
3.4773

174.7435,
191.7078, 220.6957

■ 0.6425, 0.8970,
1.3432

214.2904,

■ 0.0000, 0.0000,

234.4522, 268.9379

0.0968

259.3947,
283.1203, 323.7429

■ 0.0000, 0.0000,
0.0000

■ 33.7045, 38.1111,
45.6242

■ 33.7045, 38.1111,
45.6242

■ 30.5706, 36.0121,
45.3848

■ 37.3134, 40.4633,
45.8886

■ 27.8869, 34.1507,
45.1670

■ 41.4139, 43.0745,
46.1765

■ 25.6315, 32.5164,
44.9704

■ 46.0261, 45.9558,
46.4896

■ 23.7793, 31.0962,
44.7939

■ 51.1678, 49.1167,
46.8287

■ 22.3025, 29.8760,
44.6362

■ 56.8561, 52.5657,
47.1946

■ 21.1698, 28.8394,
44.4958

■ 63.1070, 56.3114,
47.5881

■ 20.3448, 27.9677,
44.3711

■ 65.8496, 58.2551,
47.8187

■ 19.7731, 27.2328,
44.2594

■ 66.2109, 58.9777,
47.9392

■ 19.6319, 27.0397,
44.2295

■ 66.5767, 59.7092,
48.0611

Harmonies

Analogous

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



33.3698, 38.1111, 41.2652



33.7045, 38.1111, 45.6242



34.7090, 38.1111, 49.0721

Triad

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



33.7045, 38.1111, 45.6242



38.7801, 38.1111, 46.0531



36.3044, 38.1111, 33.6529

Complementary

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



33.7045, 38.1111, 45.6242



32.9237, 31.8798, 30.8044

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.



37.7814, 38.1111, 34.7437



33.7045, 38.1111, 45.6242



39.2354, 38.1111, 41.7287

Square

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



33.7045, 38.1111, 45.6242



37.6374, 38.1111, 49.3317



38.8649, 38.1111, 37.6256



34.8454, 38.1111, 34.5382

Rectangle

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



33.7045, 38.1111, 45.6242



35.6378, 38.1111, 50.2819



38.8649, 38.1111, 37.6256



36.8155, 38.1111, 33.7991

Sweetspot

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



33.7056, 38.1127, 45.6251



69.2062, 74.3745, 83.3450



31.8657, 38.2930, 33.1110



15.2724, 16.4604, 18.5166



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.



33.7056, 38.1127, 45.6251



58.6870, 67.5039, 82.5733



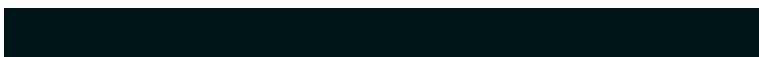
31.1148, 32.9311, 44.7615



8.1669, 8.9332, 10.2465



14.2635, 19.6609, 32.0877



0.4161, 0.5855, 0.8991

Inverse Universe

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



34.7804, 31.8863, 42.8514



61.0512, 53.9635, 76.4374



35.3227, 36.6779, 31.6041



8.3021, 8.1341, 9.9015



17.0632, 8.2878, 23.7760



0.4844, 0.2344, 0.7126

Previews

White Background



This preview shows how the XYZ color 33.7045, 38.1111, 45.6242 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 33.7045, 38.1111, 45.6242 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

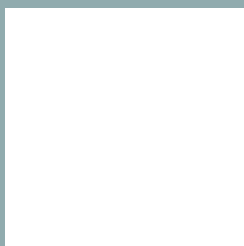
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7045, 38.1111, 45.6242

Background



This preview shows how black text looks on a background with the XYZ color 33.7045, 38.1111, 45.6242.



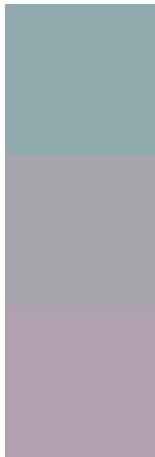
This preview shows how white text looks on a background with the XYZ color 33.7045, 38.1111,

45.6242.

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

33.7045, 38.1111, 45.6242

Protanopia

36.6472, 38.0280, 43.4388

Deuteranopia

38.7128, 37.9714, 46.3631



Tritanopia

34.7760, 38.2793, 50.3555

Trichromacy



Original Color

33.7045, 38.1111, 45.6242

Protanomaly

35.4675, 37.9486, 43.9836

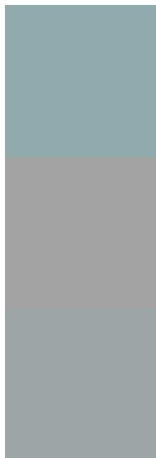
Deuteranomaly

36.7100, 38.0047, 45.9583

Tritanomaly

34.2900, 38.0645, 48.7199

Monochromacy



Original Color

33.7045, 38.1111, 45.6242

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3216, 37.1304, 41.9172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7045, 38.1111, 45.6242 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(144, 171, 174)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 171, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 171, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.7045, 38.1111, 45.6242 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(144, 171, 174) }
```


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

```
.border{ border-color:rgb(144, 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(144, 171, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 171, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 171, 174);  
box-shadow:4px 4px 4px 4px rgb(144, 171,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7045, 38.1111, 45.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 171, 174) }
```

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

```
.background{ background-color: rgb(144,  
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](#).

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