

Converting Colors

XYZ(33.7027, 37.8877, 46.3010)

Have a look what the booklet for
XYZ(33.7027, 37.8877, 46.3010)
contains.

XYZ(33.6142, 37.7739, 46.0769)	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(33.6142, 37.7739,
46.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	90AAAF
RGB	144, 170, 175
RGB Percent	56%, 67%, 69%
CMY	0.4353, 0.3333, 0.3137
CMYK	0.18, 0.03, 0.00, 0.31
HSL	190°, 16%, 63%
HSV	190°, 18%, 69%
XYZ	33.6142, 37.7739, 46.0769
YIQ	162.7960, -17.1010, -3.9570

Conversions

Conversions Part 2

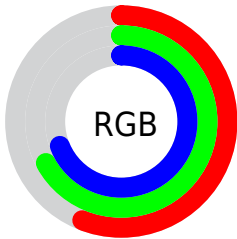
Format	Color
RYB	144, 158, 175
Decimal	9480879
CIELab	67.85, -7.85, -5.58
CIElCh	68, 9.630, 215.403
Yxy	37.7739, 0.2862, 0.3216
Android (android.graphics.Color)	4287670959 (0xFF90AAAF)
YUV	162.7960, 6.0166, -16.4841
Hunter-Lab	61.4605, -9.9299, -1.4274

Details

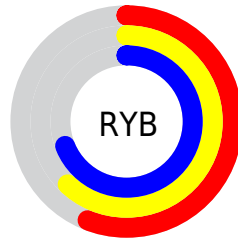
The XYZ color **33.6142, 37.7739, 46.0769** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4610, 32.6225, 30.9195**, and the grayscale version is **34.6958, 36.5026, 39.7514**.

A 20% lighter version of the original color is **64.4968, 71.5694, 85.2778**, and **14.5678, 16.7141, 21.1972** is the 20% darker color. If you saturate the color by 10%, you get **30.2685, 35.2733, 45.7712**, and if you desaturate by 10%, it is **37.4473, 40.5446, 46.4103**.

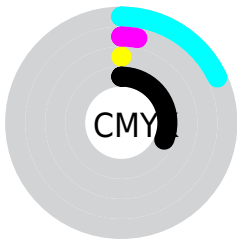
Distribution



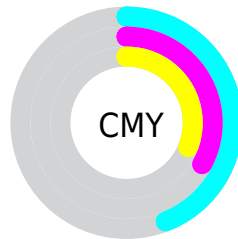
- Red (56%)
- Green (67%)
- Blue (69%)



- Red (56%)
- Yellow (62%)
- Blue (69%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6142, 37.7739, 46.0769 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 33.6142, 37.7739, 46.0769 by changing the saturation by 10% instead.

■ 33.6142, 37.7739,
46.0769

■ 33.6142, 37.7739,
46.0769

310.0246,
336.6491, 387.4043

■ 22.7589, 25.8073,
31.9574

■ 64.6816, 71.7615,
85.6696

■ 14.5353, 16.6795,
21.0644

■ 85.6243, 94.5512,
111.9798

■ 8.5781, 10.0062,
12.9794

110.6602,
121.7173, 143.1907

■ 4.5219, 5.4031,
7.2838

140.1546,
153.6444, 179.7209

■ 2.0014, 2.4857,
3.5591

174.4729,
190.7167, 221.9888

■ 0.6348, 0.8694,
1.3867

213.9804,

■ 0.0000, 0.0000,

233.3186, 270.4129

0.1313

259.0425,
281.8346, 325.4119

■ 0.0000, 0.0000,
0.0000

■ 33.6142, 37.7739,
46.0769

■ 33.6142, 37.7739,
46.0769

■ 30.2685, 35.2733,
45.7712

■ 37.4473, 40.5446,
46.4103

■ 27.3850, 33.0268,
45.4895

■ 41.7849, 43.5913,
46.7697

■ 24.9414, 31.0237,
45.2317

■ 46.6474, 46.9256,
47.1570

■ 22.9119, 29.2506,
44.9964

■ 52.0529, 50.5570,
47.5731

■ 21.2682, 27.6929,
44.7824

■ 58.0188, 54.4946,
48.0187

■ 19.9784, 26.3338,
44.5880

■ 64.5616, 58.7470,
48.4946

■ 19.0050, 25.1542,
44.4116

■ 67.3379, 61.0751,
48.7977

■ 18.2893, 24.1234,
44.2504

■ 67.9539, 62.3071,
49.0030

■ 18.1388, 23.8968,
44.2146

■ 68.5818, 63.5628,
49.2123

Harmonies

Analogous

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



33.1210, 37.7739, 41.9081



33.6142, 37.7739, 46.0769



34.7216, 37.7739, 49.0643

Triad

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



33.6142, 37.7739, 46.0769



38.5761, 37.7739, 44.6461



35.6334, 37.7739, 33.4775

Complementary

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



33.6142, 37.7739, 46.0769



33.4610, 32.6225, 30.9195

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.



37.1108, 37.7739, 34.0997



33.6142, 37.7739, 46.0769



38.8365, 37.7739, 40.3603

Square

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



33.6142, 37.7739, 46.0769



37.5913, 37.7739, 48.1989



38.2933, 37.7739, 36.5493



34.2659, 37.7739, 34.7872

Rectangle

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



33.6142, 37.7739, 46.0769



35.6734, 37.7739, 49.8779



38.2933, 37.7739, 36.5493



36.1335, 37.7739, 33.4687

Sweetspot

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



33.6153, 37.7755, 46.0777



69.0177, 73.9974, 83.2822



32.2292, 38.7487, 34.0688



15.2249, 16.3653, 18.5007



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.



33.6153, 37.7755, 46.0777



57.9170, 65.9639, 82.3166



30.9366, 32.4180, 45.1848



8.1248, 8.8489, 10.2325



13.0272, 17.1882, 31.6756



0.3913, 0.5359, 0.8908

Inverse Universe

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



34.9090, 31.9636, 42.3617



60.6625, 53.8081, 74.3907



36.0162, 37.7329, 31.7712



8.2808, 8.1256, 9.7894



16.4391, 8.0382, 20.4898



0.4719, 0.2294, 0.6468

Previews

White Background



This preview shows how the XYZ color 33.6142, 37.7739, 46.0769 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 33.6142, 37.7739, 46.0769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

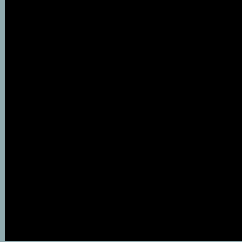
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6142, 37.7739, 46.0769

Background



This preview shows how black text looks on a background with the XYZ color 33.6142, 37.7739, 46.0769.



This preview shows how white text looks on a background with the XYZ color 33.6142, 37.7739,

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

33.6142, 37.7739, 46.0769

Protanopia

36.3520, 37.5982, 43.8693

Deuteranopia

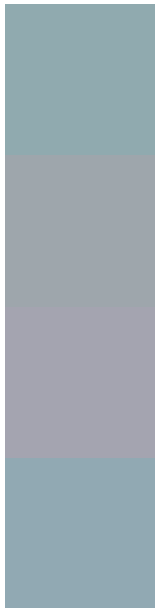
38.4111, 37.5460, 46.8176



Tritanopia

34.3085, 37.7731, 49.7386

Trichromacy



Original Color

33.6142, 37.7739, 46.0769

Protanomaly

35.1832, 37.5201, 44.4175

Deuteranomaly

36.4218, 37.5780, 46.4079

Tritanomaly

34.0017, 37.6503, 48.1230

Monochromacy



Original Color

33.6142, 37.7739, 46.0769

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 33.6142, 37.7739, 46.0769 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, 170, 175)` looks like.

```
.text, #text, p{  
    color:rgb(144, 170, 175)  
}
```

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, 170, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 170, 175) }
```

Border

The CSS property to change the border of an element to XYZ 33.6142, 37.7739, 46.0769 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, 170, 175) }
```


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

```
.border{ border-color:rgb(144, 170, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 170, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 170, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 170, 175);  
box-shadow:4px 4px 4px 4px rgb(144, 170,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6142, 37.7739, 46.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 170, 175) }
```

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

```
.background{ background-color: rgb(144,  
170, 175) }
```

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