

Converting Colors

XYZ(33.7889, 36.2093, 46.8032)

Have a look what the booklet for
XYZ(33.7889, 36.2093, 46.8032)
contains.

XYZ(33.7889, 36.2093, 46.8032)	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(33.7889, 36.2093,
46.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	96A4B1
RGB	150, 164, 177
RGB Percent	59%, 64%, 69%
CMY	0.4118, 0.3568, 0.3059
CMYK	0.15, 0.07, 0.00, 0.31
HSL	209°, 15%, 64%
HSV	209°, 15%, 69%
XYZ	33.7889, 36.2093, 46.8032
YIQ	161.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

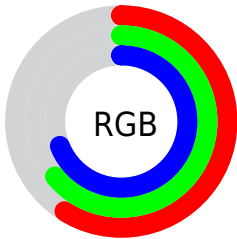
Format	Color
RYB	150, 159, 177
Decimal	9872561
CIELab	66.68, -2.18, -8.39
CIELCh	67, 8.666, 255.449
Yxy	36.2093, 0.2893, 0.3100
Android (android.graphics.Color)	4288062641 (0xFF96A4B1)
YUV	161.2960, 7.7421, -9.9066
Hunter-Lab	60.1742, -5.0738, -3.9936

Details

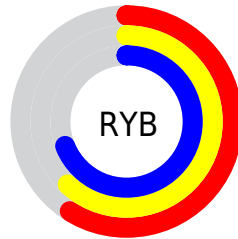
The XYZ color **33.7889, 36.2093, 46.8032** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7338, 37.7432, 34.2038**, and the grayscale version is **33.9840, 35.7539, 38.9360**.

A 20% lighter version of the original color is **64.9413, 69.3836, 87.0604**, and **14.5779, 15.6962, 21.3301** is the 20% darker color. If you saturate the color by 10%, you get **29.3007, 31.7081, 46.1715**, and if you desaturate by 10%, it is **38.8734, 41.1715, 47.4936**.

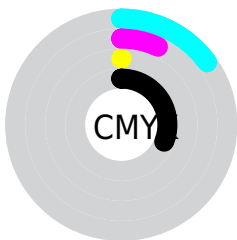
Distribution



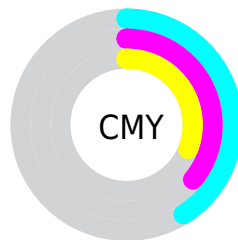
- Red (59%)
- Green (64%)
- Blue (69%)



- Red (59%)
- Yellow (62%)
- Blue (69%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (41%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7889, 36.2093, 46.8032 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 33.7889, 36.2093, 46.8032 by changing the saturation by 10% instead.

■ 33.7889, 36.2093,
46.8032

■ 33.7889, 36.2093,
46.8032

310.7922,
329.8744, 390.3994

■ 22.8936, 24.5959,
32.5269

■ 64.9517, 69.3550,
86.7667

■ 14.6352, 15.7762,
21.4961

■ 85.9500, 91.6561,
113.2909

■ 8.6484, 9.3660,
13.2924

111.0466,
118.2885, 144.7349

■ 4.5678, 4.9806,
7.4971

140.6068,
149.6366, 181.5171

■ 2.0281, 2.2359,
3.6917

174.9962,
186.0849, 224.0561

■ 0.6497, 0.7395,
1.4578

214.5800,

■ 0.0000, 0.0000,

228.0177, 272.7705

0.1862

259.7236,
275.8194, 328.0788

■ 0.0000, 0.0000,
0.0000

■ 33.7889, 36.2093,
46.8032

■ 33.7889, 36.2093,
46.8032

■ 29.3007, 31.7081,
46.1715

■ 38.8734, 41.1715,
47.4936

■ 25.3817, 27.6481,
45.5944

■ 44.5735, 46.6047,
48.2419

■ 22.0072, 24.0144,
45.0709

■ 50.9117, 52.5241,
49.0504

■ 19.1493, 20.7897,
44.5991

■ 57.9081, 58.9429,
49.9206

■ 16.7776, 17.9549,
44.1769

■ 65.5822, 65.8737,
50.8539

■ 14.8579, 15.4890,
43.8021

■ 73.5088, 73.1000,
51.8309

■ 13.3511, 13.3685,
43.4723

■ 75.7370, 77.5565,
52.5737

■ 12.2093, 11.5650,
43.1843

■ 78.0799, 82.2424,
53.3547

■ 11.7454, 10.7933,
43.0598

■ 80.5392, 87.1609,
54.1744

Harmonies

Analogous

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



32.6844, 36.2093, 44.7751



33.7889, 36.2093, 46.8032



35.0890, 36.2093, 46.7705

Triad

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



33.7889, 36.2093, 46.8032



36.8930, 36.2093, 37.5412



32.6575, 36.2093, 34.5934

Complementary

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



33.7889, 36.2093, 46.8032



36.7338, 37.7432, 34.2038

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.



33.7514, 36.2093, 32.8933



33.7889, 36.2093, 46.8032



36.2075, 36.2093, 34.5204

Square

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



33.7889, 36.2093, 46.8032



36.9037, 36.2093, 41.2601



35.0505, 36.2093, 32.8674



32.0424, 36.2093, 37.6467

Rectangle

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



33.7889, 36.2093, 46.8032



35.8926, 36.2093, 45.5783



35.0505, 36.2093, 32.8674



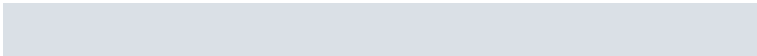
32.9801, 36.2093, 33.8535

Sweetspot

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



33.7900, 36.2108, 46.8040



69.7829, 73.8929, 85.0801



34.8754, 40.5589, 40.4538



14.9802, 15.8759, 18.4192



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.



33.7900, 36.2108, 46.8040



57.9501, 62.3034, 83.4668



31.5646, 31.7600, 46.0622



8.3943, 8.9348, 10.7885



8.5709, 7.9422, 31.2183



0.3277, 0.3660, 1.0016

Inverse Universe

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



35.7394, 33.8408, 39.7720



62.0815, 57.4220, 68.5324



39.1820, 42.6396, 35.0199



8.6742, 8.5764, 9.7829



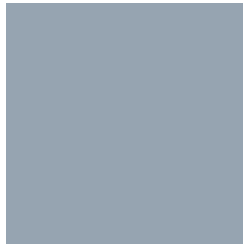
14.5609, 7.3419, 8.1134



0.4874, 0.2427, 0.4096

Previews

White Background



This preview shows how the XYZ color 33.7889, 36.2093, 46.8032 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 33.7889, 36.2093, 46.8032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

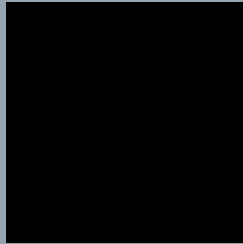
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

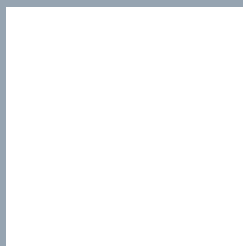
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7889, 36.2093, 46.8032

Background



This preview shows how black text looks on a background with the XYZ color 33.7889, 36.2093, 46.8032.

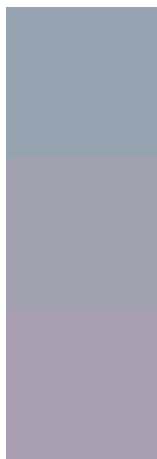


This preview shows how white text looks on a background with the XYZ color 33.7889, 36.2093,

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

33.7889, 36.2093, 46.8032

Protanopia

35.1807, 36.1620, 45.6832

Deuteranopia

36.8403, 36.2141, 47.1678



Tritanopia

33.7889, 36.2093, 46.8032

Trichromacy



Original Color

33.7889, 36.2093, 46.8032

Protanomaly

34.6614, 36.1433, 46.2238

Deuteranomaly

35.7109, 36.1425, 47.2135

Tritanomaly

33.7889, 36.2093, 46.8032

Monochromacy



Original Color

33.7889, 36.2093, 46.8032

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.8000, 35.7988, 41.6876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7889, 36.2093, 46.8032 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, 164, 177)` looks like.

```
.text, #text, p{  
    color:rgb(150, 164, 177)  
}
```

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, 164, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 164, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.7889, 36.2093, 46.8032 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, 164, 177) }
```


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

```
.border{ border-color:rgb(150, 164, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 164, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 164, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 164, 177);  
box-shadow:4px 4px 4px 4px rgb(150, 164,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7889, 36.2093, 46.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 164, 177) }
```

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

```
.background{ background-color: rgb(150,  
164, 177) }
```

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