

Converting Colors

XYZ(33.5290, 35.2114, 45.8897)

Have a look what the booklet for
XYZ(33.5290, 35.2114, 45.8897)
contains.

XYZ(33.7182, 35.3966, 46.1294)	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(33.7182, 35.3966,
46.1294)**

Conversions

Conversions Part 1

Format	Color
Hex	99A1B0
RGB	153, 161, 176
RGB Percent	60%, 63%, 69%
CMY	0.4000, 0.3686, 0.3098
CMYK	0.13, 0.09, 0.00, 0.31
HSL	219°, 13%, 65%
HSV	219°, 13%, 69%
XYZ	33.7182, 35.3966, 46.1294
YIQ	160.3180, -9.5830, 2.9690

Conversions

Conversions Part 2

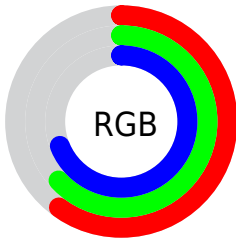
Format	Color
RYB	153, 159, 176
Decimal	10068400
CIELab	66.06, 0.26, -8.73
CIELCh	66, 8.739, 271.717
Yxy	35.3966, 0.2926, 0.3071
Android (android.graphics.Color)	4288258480 (0xFF99A1B0)
YUV	160.3180, 7.7312, -6.4179
Hunter-Lab	59.4950, -2.9533, -4.3239

Details

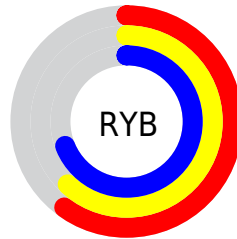
The XYZ color **33.7182, 35.3966, 46.1294** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6571, 39.5352, 35.7840**, and the grayscale version is **33.5297, 35.2759, 38.4155**.

A 20% lighter version of the original color is **64.8535, 68.2033, 86.0903**, and **14.6935, 15.4319, 21.2730** is the 20% darker color. If you saturate the color by 10%, you get **28.7240, 29.9809, 45.3478**, and if you desaturate by 10%, it is **39.3886, 41.4361, 46.9968**.

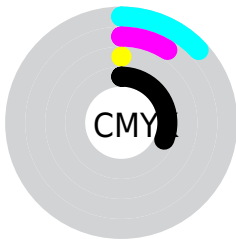
Distribution



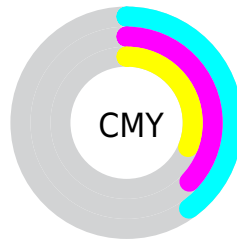
- Red (60%)
- Green (63%)
- Blue (69%)



- Red (60%)
- Yellow (62%)
- Blue (69%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7182, 35.3966, 46.1294 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 33.7182, 35.3966, 46.1294 by changing the saturation by 10% instead.

■ 33.7182, 35.3966,
46.1294

■ 33.7182, 35.3966,
46.1294

310.4818,
326.3155, 387.6213

■ 22.8391, 23.9685,
31.9985

■ 64.8424, 68.0997,
85.7489

■ 14.5948, 15.3103,
21.0956

■ 85.8182, 90.1436,
112.0747

■ 8.6199, 9.0374,
13.0020

110.8902,
116.4948, 143.3025

■ 4.5492, 4.7656,
7.2992

140.4239,
147.5378, 179.8509

■ 2.0173, 2.1104,
3.5686

174.7845,
183.6570, 222.1385

■ 0.6437, 0.6705,
1.3918

214.3375,

■ 0.0000, 0.0000,

225.2367, 270.5837

0.1353

259.4481,
272.6614, 325.6051

■ 0.0000, 0.0000,
0.0000

■ 33.7182, 35.3966,
46.1294

■ 33.7182, 35.3966,
46.1294

■ 28.7240, 29.9809,
45.3478

■ 39.3886, 41.4361,
46.9968

■ 24.3765, 25.1636,
44.6472

■ 45.7569, 48.1148,
47.9503

■ 20.6488, 20.9242,
44.0253

■ 52.8477, 55.4530,
48.9930

■ 17.5105, 17.2391,
43.4794

■ 60.6832, 63.4688,
50.1272

■ 14.9288, 14.0828,
43.0063

■ 69.2849, 72.1797,
51.3552

■ 12.8670, 11.4277,
42.6025

■ 77.3355, 80.9126,
52.6165

■ 11.2839, 9.2431,
42.2642

■ 80.6328, 87.5071,
53.7156

■ 10.1308, 7.4939,
41.9874

■ 84.1442, 94.5299,
54.8861

■ 9.5178, 6.4971,
41.8273

■ 84.8366, 95.9146,
55.1169

Harmonies

Analogous

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



32.4756, 35.3966, 45.1785



33.7182, 35.3966, 46.1294



34.9715, 35.3966, 44.9410

Triad

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



33.7182, 35.3966, 46.1294



35.8096, 35.3966, 34.9068



31.4948, 35.3966, 35.2550

Complementary

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



33.7182, 35.3966, 46.1294



37.6571, 39.5352, 35.7840

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.



32.3493, 35.3966, 32.7792



33.7182, 35.3966, 46.1294



34.8389, 35.3966, 32.5875

Square

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



33.7182, 35.3966, 46.1294



36.1981, 35.3966, 38.3272



33.5687, 35.3966, 31.8339



31.2118, 35.3966, 38.7553

Rectangle

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



33.7182, 35.3966, 46.1294



35.6391, 35.3966, 43.1371



33.5687, 35.3966, 31.8339



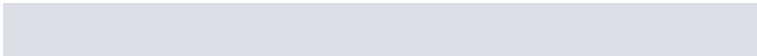
31.7236, 35.3966, 34.2833

Sweetspot

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



33.7193, 35.3981, 46.1302



70.3501, 74.0011, 85.0711



35.7261, 40.6489, 42.9851



15.0737, 15.8548, 18.4101



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.



33.7193, 35.3981, 46.1302



58.1135, 60.9226, 83.1916



33.0259, 33.0307, 45.7098



8.2757, 8.6977, 10.7490



7.0334, 4.8673, 30.7058



0.2772, 0.2650, 0.9848

Inverse Universe

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



35.7296, 34.5866, 38.5126



62.5809, 59.2178, 66.2416



38.4099, 42.1842, 36.2556



8.6144, 8.5525, 9.4677



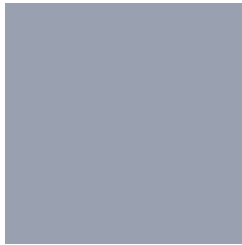
13.7848, 7.0315, 4.0268



0.4619, 0.2325, 0.2753

Previews

White Background



This preview shows how the XYZ color 33.7182, 35.3966, 46.1294 looks on a white background.

Color Contrast Check

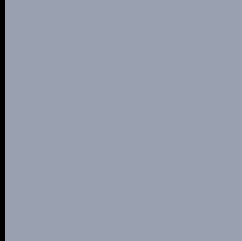
Large Text (above 18pt) WCAG AA × Fail

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 33.7182, 35.3966, 46.1294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

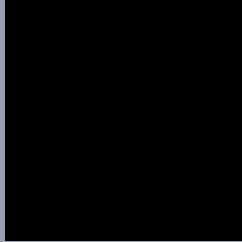
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7182, 35.3966, 46.1294

Background



This preview shows how black text looks on a background with the XYZ color 33.7182, 35.3966, 46.1294.

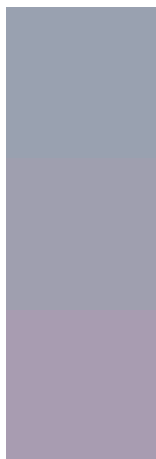


This preview shows how white text looks on a background with the XYZ color 33.7182, 35.3966,

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

33.7182, 35.3966, 46.1294

Protanopia

34.4341, 35.2623, 45.5489

Deuteranopia

35.9727, 35.2761, 46.5080



Tritanopia

33.5217, 35.3180, 45.0947

Trichromacy



Original Color

33.7182, 35.3966, 46.1294

Protanomaly

34.2133, 35.4049, 45.5880

Deuteranomaly

35.2669, 35.4146, 46.5719

Tritanomaly

33.6196, 35.3572, 45.6101

Monochromacy



Original Color

33.7182, 35.3966, 46.1294

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3584, 35.0629, 41.0860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7182, 35.3966, 46.1294 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(153, 161, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 161, 176)  
}
```

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(153, 161, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 161, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.7182, 35.3966, 46.1294 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(153, 161, 176) }
```


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

```
.border{ border-color:rgb(153, 161, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 161, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 161, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 161, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 161,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7182, 35.3966, 46.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 161, 176) }
```

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

```
.background{ background-color: rgb(153,  
161, 176) }
```

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