

Converting Colors

XYZ(33.1890, 33.9295, 46.6730)

Have a look what the booklet for
XYZ(33.1890, 33.9295, 46.6730)
contains.

XYZ(33.2508, 33.8613, 46.9029)	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(33.2508, 33.8613,
46.9029)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9CB2
RGB	154, 156, 178
RGB Percent	60%, 61%, 70%
CMY	0.3961, 0.3882, 0.3020
CMYK	0.13, 0.12, 0.00, 0.30
HSL	235°, 13%, 65%
HSV	235°, 13%, 70%
XYZ	33.2508, 33.8613, 46.9029
YIQ	157.9100, -8.2540, 6.4180

Conversions

Conversions Part 2

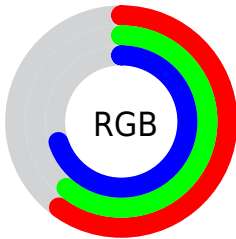
Format	Color
RYB	154, 156, 178
Decimal	10132658
CIELab	64.85, 3.81, -11.65
CIELCh	65, 12.253, 288.108
Yxy	33.8613, 0.2916, 0.2970
Android (android.graphics.Color)	4288322738 (0xFF9A9CB2)
YUV	157.9100, 9.9044, -3.4291
Hunter-Lab	58.1905, 0.1639, -7.0558

Details

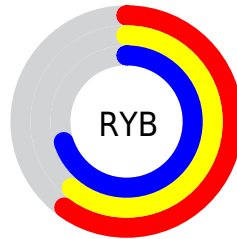
The XYZ color **33.2508, 33.8613, 46.9029** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.7185, 42.8487, 36.7499**, and the grayscale version is **32.4187, 34.1069, 37.1425**.

A 20% lighter version of the original color is **64.1924, 65.5890, 87.1185**, and **14.3468, 14.4674, 21.4384** is the 20% darker color. If you saturate the color by 10%, you get **27.5547, 27.1307, 45.9045**, and if you desaturate by 10%, it is **39.8191, 41.5893, 48.0489**.

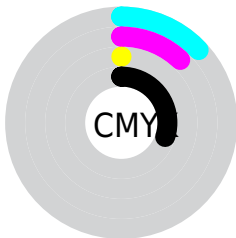
Distribution



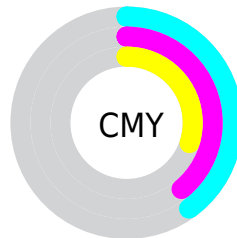
- Red (60%)
- Green (61%)
- Blue (70%)



- Red (60%)
- Yellow (61%)
- Blue (70%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (40%)
- Magenta (39%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2508, 33.8613, 46.9029 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 33.2508, 33.8613, 46.9029 by changing the saturation by 10% instead.

■ 33.2508, 33.8613,
46.9029

■ 33.2508, 33.8613,
46.9029

308.4234,
319.5132, 390.8093

■ 22.4788, 22.7871,
32.6051

■ 64.1190, 65.7179,
86.9171

■ 14.3277, 14.4364,
21.5555

■ 84.9458, 87.2691,
113.4706

■ 8.4322, 8.4248,
13.3354

109.8550,
113.0814, 144.9465

■ 4.4268, 4.3679,
7.5265

139.2119,
143.5392, 181.7632

■ 1.9463, 1.8814,
3.7101

173.3818,
179.0268, 224.3393

■ 0.6035, 0.5372,
1.4677

212.7301,

■ 0.0000, 0.0000,

219.9288, 273.0933

0.1937

257.6222,
266.6294, 328.4438

■ 0.0000, 0.0000,
0.0000

■ 33.2508, 33.8613,
46.9029

■ 33.2508, 33.8613,
46.9029

■ 27.5547, 27.1307,
45.9045

■ 39.8191, 41.5893,
48.0489

■ 22.6911, 21.3527,
45.0456

■ 47.2910, 50.3485,
49.3458

■ 18.6220, 16.4854,
44.3206

■ 55.7000, 60.1765,
50.7996

■ 15.3048, 12.4824,
43.7228

■ 65.0770, 71.1077,
52.4153

■ 12.6934, 9.2929,
43.2448

■ 75.4516, 83.1748,
54.1977

■ 10.7362, 6.8608,
42.8785

■ 84.6849, 95.2923,
56.0499

■ 9.3748, 5.1229,
42.6148

■ 85.0360, 95.9944,
56.1670

■ 8.5401, 4.0057,
42.4431

■ 8.2047, 3.5517,
42.3732

Harmonies

Analogous

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



31.4897, 33.8613, 47.2240



33.2508, 33.8613, 46.9029



34.7778, 33.8613, 43.7491

Triad

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



33.2508, 33.8613, 46.9029



34.5044, 33.8613, 30.0954



28.9754, 33.8613, 34.9020

Complementary

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



33.2508, 33.8613, 46.9029



39.7185, 42.8487, 36.7499

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.



29.7228, 33.8613, 30.7513



33.2508, 33.8613, 46.9029



32.8887, 33.8613, 28.1508

Square

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



33.2508, 33.8613, 46.9029



35.5196, 33.8613, 33.9293



31.1406, 33.8613, 28.3794



29.0643, 33.8613, 39.9742

Rectangle

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



33.2508, 33.8613, 46.9029



35.4378, 33.8613, 40.6141



31.1406, 33.8613, 28.3794



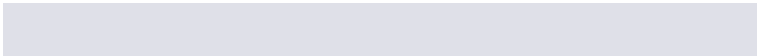
29.1360, 33.8613, 33.3619

Sweetspot

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



33.2518, 33.8627, 46.9037



71.4654, 74.5457, 87.0033



37.0444, 41.8303, 46.9893



15.6248, 16.2708, 19.2393



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.2518, 33.8627, 46.9037



57.2565, 57.8175, 84.5233



34.8196, 34.1764, 46.8816



8.0971, 8.3403, 10.6894



5.8907, 2.5817, 30.3248



0.2040, 0.1185, 0.9604

Inverse Universe

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



35.9173, 34.9773, 36.3123



62.9878, 60.2375, 61.7446



37.9875, 42.5433, 36.7822



8.5242, 8.5164, 8.9928



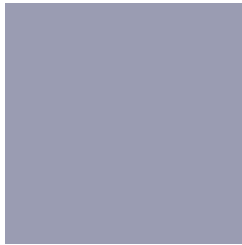
13.2080, 6.8008, 0.9893



0.4250, 0.2177, 0.0807

Previews

White Background



This preview shows how the XYZ color 33.2508, 33.8613, 46.9029 looks on a white background.

Color Contrast Check

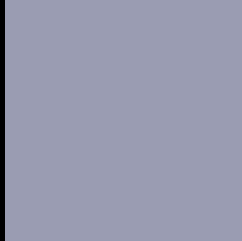
Large Text (above 18pt) WCAG AA × Fail

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 33.2508, 33.8613, 46.9029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

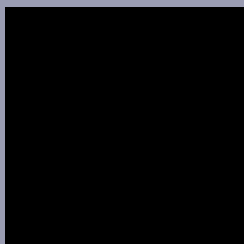
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

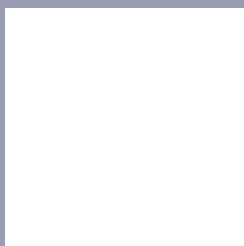
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2508, 33.8613, 46.9029

Background



This preview shows how black text looks on a background with the XYZ color 33.2508, 33.8613, 46.9029.



This preview shows how white text looks on a background with the XYZ color 33.2508, 33.8613,

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

33.2508, 33.8613, 46.9029

Protanopia

33.2508, 33.8613, 46.9029

Deuteranopia

34.4282, 33.7185, 47.3416



Tritanopia

32.4495, 33.7885, 42.8418

Trichromacy



Original Color

33.2508, 33.8613, 46.9029

Protanomaly

33.2508, 33.8613, 46.9029

Deuteranomaly

33.9904, 33.7368, 47.3682

Tritanomaly

32.7367, 33.9034, 44.3538

Monochromacy



Original Color

33.2508, 33.8613, 46.9029

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7531, 33.9987, 40.4334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2508, 33.8613, 46.9029 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(154, 156, 178)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 178)  
}
```

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(154, 156, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.2508, 33.8613, 46.9029 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(154, 156, 178) }
```


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

```
.border{ border-color:rgb(154, 156, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 178);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2508, 33.8613, 46.9029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 178) }
```

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

```
.background{ background-color: rgb(154,  
156, 178) }
```

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