

Converting Colors

XYZ(33.8894, 36.2498, 47.3306)

Have a look what the booklet for
XYZ(33.8894, 36.2498, 47.3306)
contains.

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Color

**XYZ(33.8890, 36.2493,
47.3302)**

Conversions

Conversions Part 1

Format	Color
Hex	96A4B2
RGB	150, 164, 178
RGB Percent	59%, 64%, 70%
CMY	0.4118, 0.3568, 0.3020
CMYK	0.16, 0.08, 0.00, 0.30
HSL	210°, 15%, 64%
HSV	210°, 16%, 70%
XYZ	33.8890, 36.2493, 47.3302
YIQ	161.4100, -12.8380, 1.3860

Conversions

Conversions Part 2

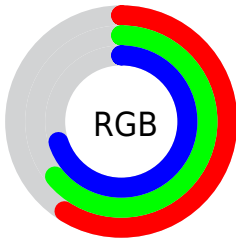
Format	Color
RYB	150, 159, 178
Decimal	9872562
CIELab	66.71, -1.96, -8.90
CIElCh	67, 9.113, 257.586
Yxy	36.2493, 0.2885, 0.3086
Android (android.graphics.Color)	4288062642 (0xFF96A4B2)
YUV	161.4100, 8.1789, -10.0066
Hunter-Lab	60.2074, -4.8904, -4.4638

Details

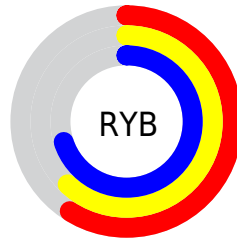
The XYZ color **33.8890, 36.2493, 47.3302** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1408, 38.2178, 34.2741**, and the grayscale version is **34.0353, 35.8077, 38.9946**.

A 20% lighter version of the original color is **65.0846, 69.4409, 87.8150**, and **14.6414, 15.7217, 21.6649** is the 20% darker color. If you saturate the color by 10%, you get **29.3221, 31.6139, 46.6768**, and if you desaturate by 10%, it is **39.0671, 41.3671, 48.0457**.

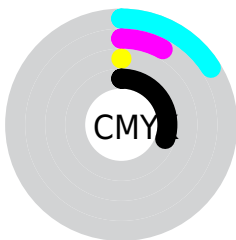
Distribution



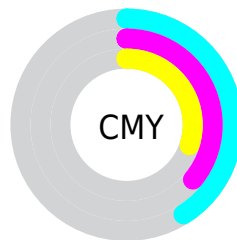
- Red (59%)
- Green (64%)
- Blue (70%)



- Red (59%)
- Yellow (62%)
- Blue (70%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8890, 36.2493, 47.3302 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 33.8890, 36.2493, 47.3302 by changing the saturation by 10% instead.

■ 33.8890, 36.2493,
47.3302

■ 33.8890, 36.2493,
47.3302

311.2315,
330.0489, 392.5629

■ 22.9708, 24.6268,
32.9406

■ 65.1065, 69.4167,
87.5614

■ 14.6925, 15.7992,
21.8102

■ 86.1364, 91.7303,
114.2401

■ 8.6888, 9.3822,
13.5205

111.2678,
118.3765, 145.8522

■ 4.5942, 4.9913,
7.6530

140.8657,
149.7396, 182.8162

■ 2.0435, 2.2422,
3.7892

175.2957,
186.2040, 225.5508

■ 0.6582, 0.7428,
1.5104

214.9231,

■ 0.0000, 0.0000,

228.1541, 274.4744

0.2257

260.1132,
275.9742, 330.0056

■ 0.0000, 0.0000,
0.0000

■ 33.8890, 36.2493,
47.3302

■ 33.8890, 36.2493,
47.3302

■ 29.3221, 31.6139,
46.6768

■ 39.0671, 41.3671,
48.0457

■ 25.3385, 27.4402,
46.0811

■ 44.8763, 46.9781,
48.8226

■ 21.9128, 23.7129,
45.5422

■ 51.3395, 53.0981,
49.6632

■ 19.0166, 20.4134,
45.0580

■ 58.4777, 59.7409,
50.5692

■ 16.6183, 17.5220,
44.6263

■ 66.3105, 66.9199,
51.5420

■ 14.6829, 15.0167,
44.2447

■ 74.1909, 74.3042,
52.5520

■ 13.1701, 12.8727,
43.9106

■ 76.5524, 79.0272,
53.3391

■ 12.0292, 11.0596,
43.6208

■ 79.0395, 84.0014,
54.1682

■ 11.6096, 10.3616,
43.5082

■ 81.6542, 89.2307,
55.0397

Harmonies

Analogous

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



32.7023, 36.2493, 45.3237



33.8890, 36.2493, 47.3302



35.2584, 36.2493, 47.1310

Triad

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



33.8890, 36.2493, 47.3302



37.0344, 36.2493, 37.2269



32.5398, 36.2493, 34.5824

Complementary

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



33.8890, 36.2493, 47.3302



37.1408, 38.2178, 34.2741

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.



33.6617, 36.2493, 32.6865



33.8890, 36.2493, 47.3302



36.2669, 36.2493, 34.1421

Square

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



33.8890, 36.2493, 47.3302



37.0992, 36.2493, 41.1184



35.0250, 36.2493, 32.5309



31.9374, 36.2493, 37.8649

Rectangle

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



33.8890, 36.2493, 47.3302



36.0907, 36.2493, 45.7745



35.0250, 36.2493, 32.5309



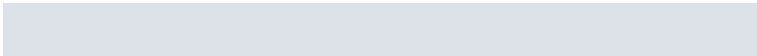
32.8673, 36.2493, 33.7715

Sweetspot

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



33.8901, 36.2508, 47.3310



71.4877, 75.6432, 87.2140



35.1575, 40.9890, 40.9607



15.6843, 16.6087, 19.3014



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.



33.8901, 36.2508, 47.3310



58.3507, 62.6129, 85.3913



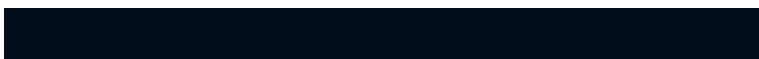
31.5952, 31.6610, 46.5660



8.3813, 8.9088, 10.7842



8.3697, 7.5397, 31.1512



0.3217, 0.3539, 0.9996

Inverse Universe

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



35.9681, 33.9588, 39.7827



62.9037, 57.7673, 68.8133



39.6935, 43.3230, 35.1249



8.6677, 8.5738, 9.7484



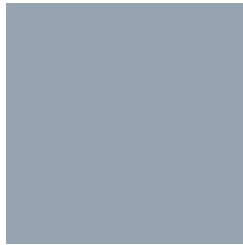
14.4593, 7.3013, 7.5784



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 33.8890, 36.2493, 47.3302 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 33.8890, 36.2493, 47.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

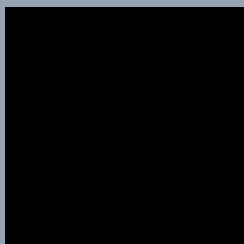
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

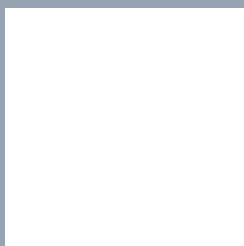
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8890, 36.2493, 47.3302

Background



This preview shows how black text looks on a background with the XYZ color 33.8890, 36.2493, 47.3302.

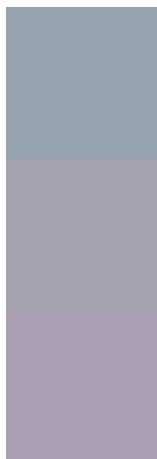


This preview shows how white text looks on a background with the XYZ color 33.8890, 36.2493,

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

33.8890, 36.2493, 47.3302

Protanopia

35.2793, 36.2014, 46.2024

Deuteranopia

36.9411, 36.2544, 47.6986



Tritanopia

33.7889, 36.2093, 46.8032

Trichromacy



Original Color

33.8890, 36.2493, 47.3302

Protanomaly

34.7608, 36.1831, 46.7469

Deuteranomaly

35.8117, 36.1828, 47.7443

Tritanomaly

33.7889, 36.2093, 46.8032

Monochromacy



Original Color

33.8890, 36.2493, 47.3302

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 33.8890, 36.2493, 47.3302 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(150, 164, 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(150, 164, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 164, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.8890, 36.2493, 47.3302 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, 178) }
```


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

```
.border{ border-color:rgb(150, 164, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 164, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 164, 178);  
box-shadow:4px 4px 4px 4px rgb(150, 164,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8890, 36.2493, 47.3302 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, 178) }
```

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

```
.background{ background-color: rgb(150,  
164, 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](#).

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