

Converting Colors

XYZ(36.1172, 36.3639, 44.2000)

Have a look what the booklet for
XYZ(36.1172, 36.3639, 44.2000)
contains.

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Color

**XYZ(36.1656, 36.4450,
44.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A0AC
RGB	168, 160, 172
RGB Percent	66%, 63%, 67%
CMY	0.3412, 0.3725, 0.3255
CMYK	0.02, 0.07, 0.00, 0.33
HSL	280°, 7%, 65%
HSV	280°, 7%, 67%
XYZ	36.1656, 36.4450, 44.1582
YIQ	163.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

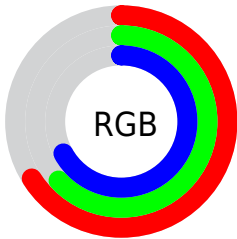
Format	Color
RYB	168, 160, 172
Decimal	11051180
CIELab	66.86, 5.17, -5.18
CIELCh	67, 7.318, 314.931
Yxy	36.4450, 0.3097, 0.3121
Android (android.graphics.Color)	4289241260 (0xFFA8A0AC)
YUV	163.7600, 4.0623, 3.7185
Hunter-Lab	60.3697, 1.2868, -1.1097

Details

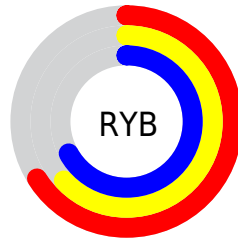
The XYZ color **36.1656, 36.4450, 44.1582** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4090, 39.9367, 39.0492**, and the grayscale version is **35.1544, 36.9852, 40.2769**.

A 20% lighter version of the original color is **68.5970, 69.8349, 82.5371**, and **16.0613, 16.0063, 20.0123** is the 20% darker color. If you saturate the color by 10%, you get **32.1939, 30.2740, 43.1770**, and if you desaturate by 10%, it is **40.6058, 43.4720, 45.2811**.

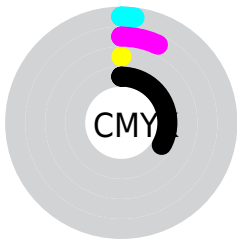
Distribution



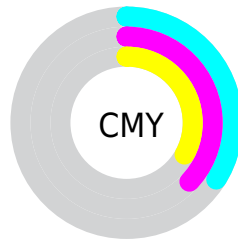
- Red (66%)
- Green (63%)
- Blue (67%)



- Red (66%)
- Yellow (63%)
- Blue (67%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)



- Cyan (34%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1656, 36.4450, 44.1582 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 36.1656, 36.4450, 44.1582 by changing the saturation by 10% instead.

■ 36.1656, 36.4450,
44.1582

■ 36.1656, 36.4450,
44.1582

321.1024,
330.9014, 379.4137

■ 24.7328, 24.7781,
30.4568

■ 68.6098, 69.7184,
82.7608

■ 16.0058, 15.9118,
19.9306

■ 90.3519, 92.0936,
108.4990

■ 9.6191, 9.4618,
12.1610

116.2612,
118.8070, 139.0866

■ 5.2075, 5.0436,
6.7296

146.7030,
150.2431, 174.9420

■ 2.4055, 2.2729,
3.2177

182.0426,
186.7862, 216.4839

■ 0.8479, 0.7593,
1.2068

222.6455,

■ 0.0000, 0.0000,

228.8206, 264.1308

0.0000

268.8770,
276.7309, 318.3012

■ 36.1656, 36.4450,
44.1582

■ 36.1656, 36.4450,
44.1582

■ 32.1939, 30.2740,
43.1770

■ 40.6058, 43.4720,
45.2811

■ 28.6700, 24.9202,
42.3293

■ 45.5279, 51.3823,
46.5485

■ 25.5763, 20.3489,
41.6100

■ 50.9486, 60.2080,
47.9663

■ 22.8927, 16.5209,
41.0126

■ 56.8829, 69.9779,
49.5393

■ 20.5974, 13.3936,
40.5299

■ 63.3450, 80.7197,
51.2721

18.6662, 10.9202,
40.1543

67.6752, 87.1127,
52.2779

17.0723, 9.0475,
39.8768

69.2602, 87.9298,
52.3520

15.7842, 7.7143,
39.6874

70.9036, 88.7770,
52.4289

14.7567, 6.8310,
39.5710

72.6059, 89.6545,
52.5086

Harmonies

Analogous

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



35.1914, 36.4450, 45.8712



36.1656, 36.4450, 44.1582



36.7369, 36.4450, 41.2891

Triad

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



36.1656, 36.4450, 44.1582



35.1964, 36.4450, 34.0803



32.6229, 36.4450, 41.2745

Complementary

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



36.1656, 36.4450, 44.1582



36.4090, 39.9367, 39.0492

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.



32.6242, 36.4450, 38.1180



36.1656, 36.4450, 44.1582



34.0941, 36.4450, 34.0769

Square

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



36.1656, 36.4450, 44.1582



36.1693, 36.4450, 35.5294



33.1577, 36.4450, 35.5198



33.1542, 36.4450, 44.1470

Rectangle

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



36.1656, 36.4450, 44.1582



36.8049, 36.4450, 39.1605



33.1577, 36.4450, 35.5198



32.5614, 36.4450, 40.2089

Sweetspot

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



36.1667, 36.4466, 44.1590



69.4807, 72.2164, 81.0829



35.2564, 37.0763, 44.3285



15.1195, 15.7256, 17.6261



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.1667, 36.4466, 44.1590



64.7257, 64.7315, 79.8888



36.8598, 36.8237, 43.2952



8.0737, 8.0123, 10.0737



10.8284, 4.9421, 29.4277



0.3560, 0.1657, 0.8212

Inverse Universe

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



36.2863, 36.5943, 40.2749



64.9824, 65.0453, 71.7047



35.7549, 39.5811, 39.8464



8.1113, 8.0578, 8.8968



13.2399, 6.7585, 3.6430



0.3941, 0.1983, 0.2373

Previews

White Background



This preview shows how the XYZ color 36.1656, 36.4450, 44.1582 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 36.1656, 36.4450, 44.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

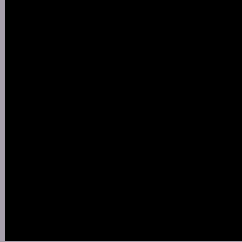
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1656, 36.4450, 44.1582

Background



This preview shows how black text looks on a background with the XYZ color 36.1656, 36.4450, 44.1582.



This preview shows how white text looks on a background with the XYZ color 36.1656, 36.4450,

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

36.1656, 36.4450, 44.1582

Protanopia

35.5674, 36.6443, 44.7336

Deuteranopia

37.1288, 36.4309, 44.1047



Tritanopia

36.2621, 36.4836, 44.6660

Trichromacy



Original Color

36.1656, 36.4450, 44.1582

Protanomaly

35.8047, 36.5062, 44.6945

Deuteranomaly

36.8578, 36.5455, 44.1411

Tritanomaly

36.2621, 36.4836, 44.6660

Monochromacy



Original Color

36.1656, 36.4450, 44.1582

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5893, 36.9837, 41.8220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1656, 36.4450, 44.1582 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(168, 160, 172)` looks like.

```
.text, #text, p{  
    color:rgb(168, 160, 172)  
}
```

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(168, 160, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 160, 172) }
```

Border

The CSS property to change the border of an element to XYZ 36.1656, 36.4450, 44.1582 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(168, 160, 172) }
```


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

```
.border{ border-color:rgb(168, 160, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 160, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 160, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 160, 172);  
box-shadow:4px 4px 4px 4px rgb(168, 160,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1656, 36.4450, 44.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 160, 172) }
```

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

```
.background{ background-color: rgb(168,  
160, 172) }
```

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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