

Converting Colors

XYZ(33.8461, 35.2463, 36.2401)

Have a look what the booklet for
XYZ(33.8461, 35.2463, 36.2401)
contains.

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Color

**XYZ(33.8316, 35.1622,
36.0142)**

Conversions

Conversions Part 1

Format	Color
Hex	A59F9B
RGB	165, 159, 155
RGB Percent	65%, 62%, 61%
CMY	0.3529, 0.3765, 0.3922
CMYK	0.00, 0.04, 0.06, 0.35
HSL	24°, 5%, 63%
HSV	24°, 6%, 65%
XYZ	33.8316, 35.1622, 36.0142
YIQ	160.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

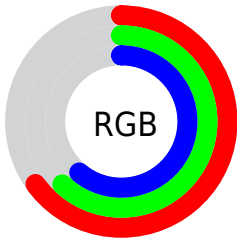
Format	Color
RYB	165, 162, 155
Decimal	10854299
CIELab	65.87, 1.44, 2.85
CIELCh	66, 3.192, 63.173
Yxy	35.1622, 0.3222, 0.3349
Android (android.graphics.Color)	4289044379 (0xFFA59F9B)
YUV	160.3380, -2.6316, 4.0886
Hunter-Lab	59.2977, -1.9300, 5.4989

Details

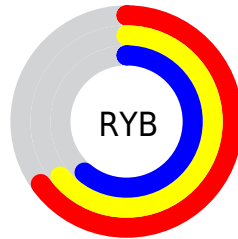
The XYZ color **33.8316, 35.1622, 36.0142** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0539, 35.1743, 40.6449**, and the grayscale version is **33.5806, 35.3294, 38.4737**.

A 20% lighter version of the original color is **65.0704, 67.9122, 70.0004**, and **14.6713, 15.2353, 15.2642** is the 20% darker color. If you saturate the color by 10%, you get **30.9058, 31.3784, 28.6631**, and if you desaturate by 10%, it is **37.0850, 39.2973, 44.4096**.

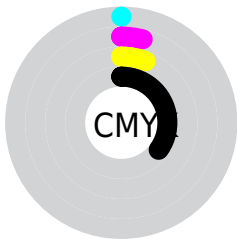
Distribution



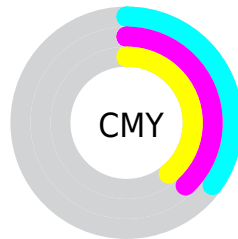
- Red (65%)
- Green (62%)
- Blue (61%)



- Red (65%)
- Yellow (64%)
- Blue (61%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (35%)



- Cyan (35%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8316, 35.1622, 36.0142 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 33.8316, 35.1622, 36.0142 by changing the saturation by 10% instead.

■ 33.8316, 35.1622,
36.0142

■ 33.8316, 35.1622,
36.0142

310.9797,
325.2837, 344.0619

■ 22.9265, 23.7878,
24.1554

■ 65.0177, 67.7370,
70.2233

■ 14.6597, 15.1763,
15.2357

■ 86.0295, 89.7062,
93.4106

■ 8.6656, 8.9432,
8.8365

111.1409,
115.9758, 121.2112

■ 4.5791, 4.7042,
4.5393

140.7173,
146.9302, 154.0436

■ 2.0347, 2.0748,
1.9256

175.1240,
182.9538, 192.3263

■ 0.6533, 0.6504,
0.5090

214.7264,

■ 0.0000, 0.0000,

224.4310, 236.4779

0.0000

259.8898,
271.7461, 286.9169

■ 33.8316, 35.1622,
36.0142

■ 33.8316, 35.1622,
36.0142

■ 30.9058, 31.3784,
28.6631

■ 37.0850, 39.2973,
44.4096

■ 28.2938, 27.9320,
22.3128

■ 40.6733, 43.7880,
53.8859

■ 25.9853, 24.8145,
16.9201

■ 44.6073, 48.6447,
64.4809

■ 23.9679, 22.0156,
12.4376

■ 48.8964, 53.8756,
76.2296

■ 22.2287, 19.5245,
8.8139

■ 53.5495, 59.4888,
89.1657

■ 20.7533, 17.3294,
5.9925

■ 58.5753, 65.4921,
103.3213

■ 19.5260, 15.4178,
3.9100

■ 61.3846, 70.8541,
105.0486

■ 18.5292, 13.7759,
2.4931

■ 64.1894, 76.4637,
105.9836

■ 17.7399, 12.3877,
1.6427

■ 67.1526, 82.3901,
106.9713

Harmonies

Analogous

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



34.1855, 35.1622, 36.8819



33.8316, 35.1622, 36.0142



33.3704, 35.1622, 35.7503

Triad

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



33.8316, 35.1622, 36.0142



32.5232, 35.1622, 38.4296



33.9193, 35.1622, 40.5012

Complementary

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



33.8316, 35.1622, 36.0142



33.0539, 35.1743, 40.6449

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.



33.4708, 35.1622, 40.9382



33.8316, 35.1622, 36.0142



32.6672, 35.1622, 39.7246

Square

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



33.8316, 35.1622, 36.0142



32.6178, 35.1622, 37.1253



33.0130, 35.1622, 40.6507



34.2365, 35.1622, 39.4699

Rectangle

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



33.8316, 35.1622, 36.0142



33.0650, 35.1622, 35.9470



33.0130, 35.1622, 40.6507



33.7788, 35.1622, 40.7236

Sweetspot

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



33.8326, 35.1637, 36.0150



62.8637, 65.8779, 70.3203



33.6719, 34.0157, 38.5097



13.7581, 14.4211, 15.4117



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.8326, 35.1637, 36.0150



60.0039, 62.2217, 63.0058



34.7094, 36.9173, 36.3072



7.4195, 7.6891, 7.7626



13.2612, 9.0964, 1.0568



0.3242, 0.2823, 0.0374

Inverse Universe

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



33.0539, 35.1743, 40.6449



58.3752, 62.2438, 72.6899



32.1981, 33.4626, 40.3597



7.2101, 7.6919, 9.0077



8.5594, 8.8982, 28.1962



0.2243, 0.2758, 0.6073

Previews

White Background



This preview shows how the XYZ color 33.8316, 35.1622, 36.0142 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 33.8316, 35.1622, 36.0142 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

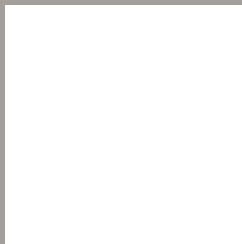
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8316, 35.1622, 36.0142

Background



This preview shows how black text looks on a background with the XYZ color 33.8316, 35.1622, 36.0142.



This preview shows how white text looks on a background with the XYZ color 33.8316, 35.1622,

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

33.8316, 35.1622, 36.0142

Protanopia

33.6244, 35.0553, 36.0045

Deuteranopia

35.8536, 35.1901, 36.3552



Tritanopia

35.1548, 35.1940, 42.4764

Trichromacy



Original Color

33.8316, 35.1622, 36.0142

Protanomaly

33.6244, 35.0553, 36.0045

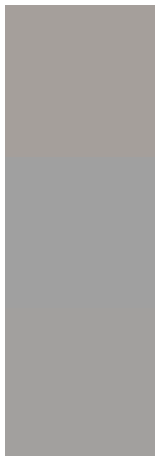
Deuteranomaly

35.1228, 35.0615, 36.3689

Tritanomaly

34.6536, 35.2410, 40.0977

Monochromacy



Original Color

33.8316, 35.1622, 36.0142

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.6427, 35.2916, 37.3866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8316, 35.1622, 36.0142 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(165, 159, 155)` looks like.

```
.text, #text, p{  
    color:rgb(165, 159, 155)  
}
```

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(165, 159, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 159, 155) }
```

Border

The CSS property to change the border of an element to XYZ 33.8316, 35.1622, 36.0142 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(165, 159, 155) }
```


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

```
.border{ border-color:rgb(165, 159, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 159, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 159, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 159, 155);  
box-shadow:4px 4px 4px 4px rgb(165, 159,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8316, 35.1622, 36.0142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 159, 155) }
```

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

```
.background{ background-color: rgb(165,  
159, 155) }
```

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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