

Converting Colors

XYZ(37.0166, 34.3647, 48.5739)

Have a look what the booklet for
XYZ(37.0166, 34.3647, 48.5739)
contains.

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Color

**XYZ(36.9260, 34.2628,
48.3832)**

Conversions

Conversions Part 1

Format	Color
Hex	AF96B5
RGB	175, 150, 181
RGB Percent	69%, 59%, 71%
CMY	0.3137, 0.4117, 0.2902
CMYK	0.03, 0.17, 0.00, 0.29
HSL	288°, 17%, 65%
HSV	288°, 17%, 71%
XYZ	36.9260, 34.2628, 48.3832
YIQ	161.0090, 4.9490, 14.9410

Conversions

Conversions Part 2

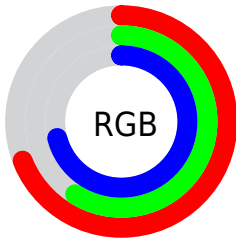
Format	Color
R_{YB}	175, 150, 181
Decimal	11507381
CIE _{Lab}	65.17, 14.97, -12.67
CIE _{LCh}	65, 19.608, 319.750
Yxy	34.2628, 0.3088, 0.2865
Android (android.graphics.Color)	4289697461 (0xFFAF96B5)
YUV	161.0090, 9.8556, 12.2701
Hunter-Lab	58.5344, 10.1701, -8.0336

Details

The XYZ color **36.9260, 34.2628, 48.3832** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.7404, 42.3185, 35.1404**, and the grayscale version is **33.8353, 35.5974, 38.7656**.

A 20% lighter version of the original color is **69.8339, 66.2891, 89.2352**, and **16.3842, 14.6198, 22.3804** is the 20% darker color. If you saturate the color by 10%, you get **33.4821, 28.5266, 47.4580**, and if you desaturate by 10%, it is **40.8385, 40.9047, 49.4595**.

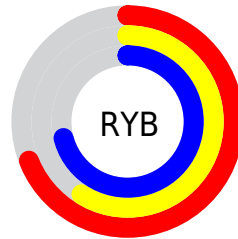
Distribution



Red (69%)

Green (59%)

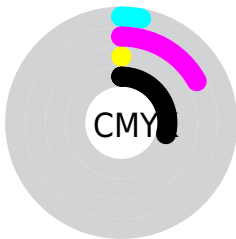
Blue (71%)



Red (69%)

Yellow (59%)

Blue (71%)

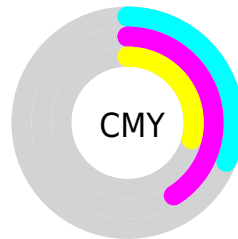


Cyan (3%)

Magenta (17%)

Yellow (0%)

Black (29%)



Cyan (31%)


Magenta (41%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9260, 34.2628, 48.3832 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 36.9260, 34.2628, 48.3832 by changing the saturation by 10% instead.


 36.9260, 34.2628,
48.3832

 36.9260, 34.2628,
48.3832

324.3511,
321.3023, 396.8615

 25.3236, 23.0956,
33.7683

 69.7735, 66.3421,
89.1462

 16.4483, 14.6641,
22.4397


 91.7494, 88.0230,
116.1313

 9.9348, 8.5840,
13.9790


117.9138,
113.9773, 148.0769

 5.4177, 4.4708,
7.9675

148.6320,
144.5892, 185.4016

 2.5316, 1.9403,
3.9867

184.2696,
180.2433, 228.5239

 0.9112, 0.5724,
1.6180

225.1917,

 0.0000, 0.0000,

221.3239, 277.8622

0.3036

271.7637,
268.2154, 333.8353

■ 0.0000, 0.0000,
0.0000

■ 36.9260, 34.2628,
48.3832

■ 36.9260, 34.2628,
48.3832

■ 33.4821, 28.5266,
47.4580

■ 40.8385, 40.9047,
49.4595

■ 30.4831, 23.6509,
46.6750

■ 45.2358, 48.4861,
50.6911

■ 27.9079, 19.5929,
46.0274

■ 50.1370, 57.0447,
52.0848

■ 25.7324, 16.3047,
45.5074

■ 55.5593, 66.6145,
53.6461

■ 23.9299, 13.7331,
45.1061

■ 61.5190, 77.2280,
55.3806

■ 22.4704, 11.8183,
44.8134

■ 66.8711, 86.5949,
56.9065

■ 21.3188, 10.4906,
44.6178

■ 67.7932, 87.0702,
56.9497

■ 20.4251, 9.6499,
44.5026

■ 68.7368, 87.5567,
56.9939

■ 20.1889, 9.4442,
44.4754

■ 69.7020, 88.0542,
57.0390

Harmonies

Analogous

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



34.4512, 34.2628, 54.0967



36.9260, 34.2628, 48.3832



38.2563, 34.2628, 40.1669

Triad

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



36.9260, 34.2628, 48.3832



33.5498, 34.2628, 23.9054



27.6795, 34.2628, 42.8600

Complementary

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



36.9260, 34.2628, 48.3832



35.7404, 42.3185, 35.1404

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.



27.4695, 34.2628, 34.5849



36.9260, 34.2628, 48.3832



30.7504, 34.2628, 24.4084

Square

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



36.9260, 34.2628, 48.3832



36.2332, 34.2628, 26.5724



28.5630, 34.2628, 28.0640



29.1546, 34.2628, 50.6000

Rectangle

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



36.9260, 34.2628, 48.3832



38.2656, 34.2628, 34.7134



28.5630, 34.2628, 28.0640



27.4621, 34.2628, 40.0253

Sweetspot

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



36.9270, 34.2643, 48.3839



74.6764, 75.8920, 89.0074



32.8416, 33.6658, 48.4838



16.0270, 16.2086, 19.2061



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.



36.9270, 34.2643, 48.3839



63.4280, 56.8308, 85.9210



37.3810, 34.6049, 43.5890



8.6857, 8.5620, 10.7012



13.9735, 6.5394, 30.6627



0.4810, 0.2271, 0.9667

Inverse Universe

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



35.9643, 34.0382, 36.1285



61.3835, 56.3662, 59.1970



35.3868, 42.0462, 39.1896



8.5614, 8.5313, 9.1886



13.3663, 6.8641, 1.8230



0.4404, 0.2239, 0.1617

Previews

White Background



This preview shows how the XYZ color 36.9260, 34.2628, 48.3832 looks on a white background.

Color Contrast Check

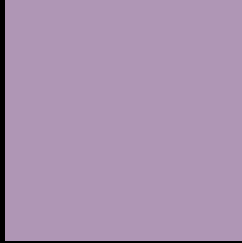
Large Text (above 18pt) WCAG AA × Fail

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 36.9260, 34.2628, 48.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

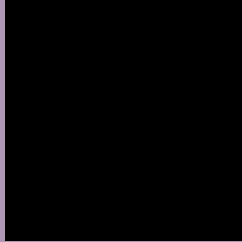
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9260, 34.2628, 48.3832

Background



This preview shows how black text looks on a background with the XYZ color 36.9260, 34.2628, 48.3832.



This preview shows how white text looks on a background with the XYZ color 36.9260, 34.2628,

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

36.9260, 34.2628, 48.3832

Protanopia

34.0568, 34.4314, 51.3053

Deuteranopia

34.8981, 34.1930, 47.9406



Tritanopia

35.4163, 34.3833, 40.3673

Trichromacy



Original Color

36.9260, 34.2628, 48.3832

Protanomaly

34.9053, 34.1490, 50.0991

Deuteranomaly

35.5658, 34.2932, 47.9248

Tritanomaly

36.0345, 34.3954, 43.2678

Monochromacy



Original Color

36.9260, 34.2628, 48.3832

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.8507, 35.0481, 41.9739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9260, 34.2628, 48.3832 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(175, 150, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 150, 181)  
}
```

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(175, 150, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 150, 181) }
```

Border

The CSS property to change the border of an element to XYZ 36.9260, 34.2628, 48.3832 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(175, 150, 181) }
```


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

```
.border{ border-color:rgb(175, 150, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 150, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 150, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 150, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 150,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9260, 34.2628, 48.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 150, 181) }
```

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

```
.background{ background-color: rgb(175,  
150, 181) }
```

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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