

Converting Colors

XYZ(48.2431, 49.3596, 63.5353)

Have a look what the booklet for
XYZ(48.2431, 49.3596, 63.5353)
contains.

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Color

**XYZ(48.1360, 49.3240,
63.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B9CB
RGB	185, 185, 203
RGB Percent	73%, 73%, 80%
CMY	0.2745, 0.2745, 0.2039
CMYK	0.09, 0.09, 0.00, 0.20
HSL	240°, 15%, 76%
HSV	240°, 9%, 80%
XYZ	48.1360, 49.3240, 63.4834
YIQ	187.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

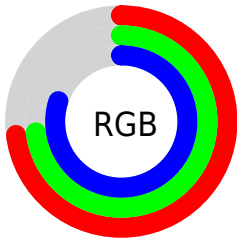
Format	Color
R _Y B	185, 185, 203
Decimal	12171723
CIE Lab	75.65, 3.49, -9.06
CIE LCh	76, 9.711, 291.089
Yxy	49.3240, 0.2991, 0.3065
Android (android.graphics.Color)	4290361803 (0xFFB9B9CB)
YUV	187.0520, 7.8624, -1.7996
Hunter-Lab	70.2310, -0.5613, -4.4318

Details

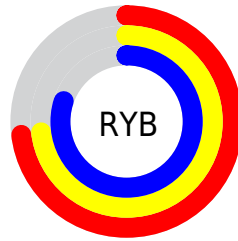
The XYZ color **48.1360, 49.3240, 63.4834** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.7416, 58.9106, 54.3854**, and the grayscale version is **47.2240, 49.6833, 54.1051**.

A 20% lighter version of the original color is **85.7809, 88.8314, 107.2328**, and **23.1918, 23.5780, 31.7624** is the 20% darker color. If you saturate the color by 10%, you get **39.6371, 39.0841, 61.9556**, and if you desaturate by 10%, it is **57.9432, 61.1408, 65.2481**.

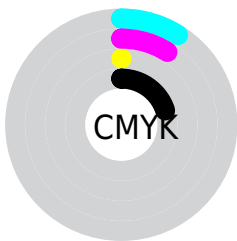
Distribution



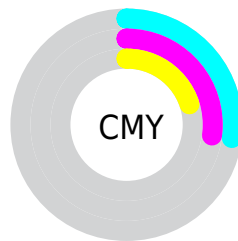
- Red (73%)
- Green (73%)
- Blue (80%)



- Red (73%)
- Yellow (73%)
- Blue (80%)



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (27%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1360, 49.3240, 63.4834 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 48.1360, 49.3240, 63.4834 by changing the saturation by 10% instead.

■ 48.1360, 49.3240,
63.4834

■ 48.1360, 49.3240,
63.4834

369.9046,
384.0164, 455.4779

■ 34.1463, 34.8766,
45.7889

■ 86.6153, 89.1725,
111.4589

■ 23.1694, 23.5678,
31.7318

111.8357,
115.3423, 142.5770

■ 14.8400, 15.0133,
20.8936

141.5303,
146.1884, 179.0067

■ 8.7928, 8.8287,
12.8558

176.0645,
182.0951, 221.1665

■ 4.6623, 4.6296,
7.1997

215.8037,
223.4469, 269.4749

■ 2.0832, 2.0316,
3.5070

261.1132,

■ 0.6801, 0.6258,

270.6281, 324.3506

1.3590

312.3583,
324.0232, 386.2121

■ 0.0000, 0.0000,
0.1094

■ 0.0000, 0.0000,
0.0000

■ 48.1360, 49.3240,
63.4834

■ 48.1360, 49.3240,
63.4834

■ 39.6371, 39.0841,
61.9556

■ 57.9432, 61.1408,
65.2481

■ 32.3870, 30.3485,
60.6516

■ 69.1061, 74.5907,
67.2559

■ 26.3284, 23.0483,
59.5618

■ 81.6751, 89.7346,
69.5165

■ 21.3974, 17.1068,
58.6749

■ 87.7796, 97.0919,
70.6148

■ 17.5245, 12.4401,
57.9783

■ 14.6323, 8.9550,
57.4580

■ 12.6329, 6.5457,
57.0983

■ 11.4230, 5.0875,
56.8807

■ 10.8338, 4.3773,
56.7746

Harmonies

Analogous

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



46.3475, 49.3240, 64.0931



48.1360, 49.3240, 63.4834



49.6229, 49.3240, 60.1677

Triad

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



48.1360, 49.3240, 63.4834



49.0862, 49.3240, 46.3636



43.5477, 49.3240, 52.1863

Complementary

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



48.1360, 49.3240, 63.4834



54.7416, 58.9106, 54.3854

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.



44.2419, 49.3240, 47.7233



48.1360, 49.3240, 63.4834



47.4185, 49.3240, 44.5055

Square

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



48.1360, 49.3240, 63.4834



50.1812, 49.3240, 50.2210



45.6480, 49.3240, 44.9869



43.7287, 49.3240, 57.3475

Rectangle

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



48.1360, 49.3240, 63.4834



50.2283, 49.3240, 56.9788



45.6480, 49.3240, 44.9869



43.6858, 49.3240, 50.5600

Sweetspot

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



48.1375, 49.3261, 63.4845



89.8996, 93.7944, 107.9737



52.1081, 57.3245, 64.6318



18.9551, 19.7299, 23.0592



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.1375, 49.3261, 63.4845



77.1694, 78.4561, 105.6840



50.3005, 50.4403, 63.5855



10.6019, 10.8443, 14.1047



6.8603, 2.7446, 36.1245



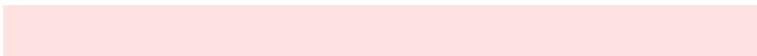
0.3540, 0.1417, 1.8636

Inverse Universe

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



50.7356, 50.8982, 53.0516



82.5543, 81.7144, 84.0615



52.4389, 57.7246, 54.2779



11.2124, 11.2137, 11.6533



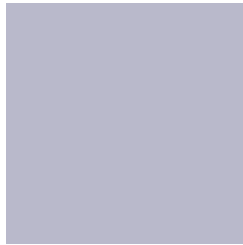
15.6737, 8.0801, 0.7343



0.8086, 0.4169, 0.0380

Previews

White Background



This preview shows how the XYZ color 48.1360, 49.3240, 63.4834 looks on a white background.

Color Contrast Check

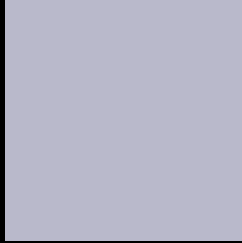
Large Text (above 18pt) WCAG AA × Fail

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 48.1360, 49.3240, 63.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

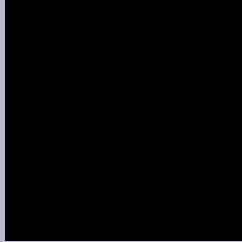
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1360, 49.3240, 63.4834

Background



This preview shows how black text looks on a background with the XYZ color 48.1360, 49.3240, 63.4834.



This preview shows how white text looks on a background with the XYZ color 48.1360, 49.3240,

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

48.1360, 49.3240, 63.4834

Protanopia

48.1360, 49.3240, 63.4834

Deuteranopia

50.1879, 49.1431, 63.9671



Tritanopia

47.7819, 49.1823, 61.6183

Trichromacy



Original Color

48.1360, 49.3240, 63.4834

Protanomaly

48.1360, 49.3240, 63.4834

Deuteranomaly

49.3653, 49.0220, 63.9871

Tritanomaly

47.8992, 49.2293, 62.2360

Monochromacy



Original Color

48.1360, 49.3240, 63.4834

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.4342, 49.4072, 57.4886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1360, 49.3240, 63.4834 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(185, 185, 203)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 203)  
}
```

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(185, 185, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.1360, 49.3240, 63.4834 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(185, 185, 203) }
```


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

```
.border{ border-color:rgb(185, 185, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 203);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1360, 49.3240, 63.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 203) }
```

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

```
.background{ background-color: rgb(185,  
185, 203) }
```

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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