

Converting Colors

XYZ(47.0113, 48.6312, 68.5370)

Have a look what the booklet for
XYZ(47.0113, 48.6312, 68.5370)
contains.

XYZ(47.0113, 48.6312, 68.5370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.0113, 48.6312,
68.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B9D3
RGB	176, 185, 211
RGB Percent	69%, 73%, 83%
CMY	0.3098, 0.2745, 0.1725
CMYK	0.17, 0.12, 0.00, 0.17
HSL	225°, 28%, 76%
HSV	225°, 17%, 83%
XYZ	47.0113, 48.6312, 68.5370
YIQ	185.2730, -13.7100, 6.1780

Conversions

Conversions Part 2

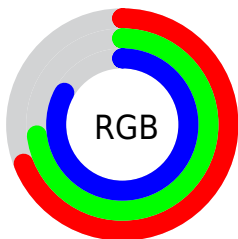
Format	Color
R_{YB}	176, 183, 211
Decimal	11581907
CIE Lab	75.22, 2.22, -14.12
CIE LCh	75, 14.299, 278.948
Yxy	48.6312, 0.2863, 0.2962
Android (android.graphics.Color)	4289771987 (0xFFB0B9D3)
YUV	185.2730, 12.6834, -8.1324
Hunter-Lab	69.7361, -1.7056, -9.4553

Details

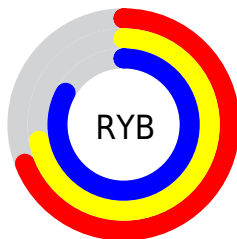
The XYZ color **47.0113, 48.6312, 68.5370** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.8212, 59.2242, 49.5646**, and the grayscale version is **46.2043, 48.6105, 52.9368**.

A 20% lighter version of the original color is **82.7840, 87.2864, 107.0925**, and **22.4204, 23.1138, 34.7322** is the 20% darker color. If you saturate the color by 10%, you get **39.5064, 40.1614, 67.2985**, and if you desaturate by 10%, it is **55.6221, 58.2102, 69.9329**.

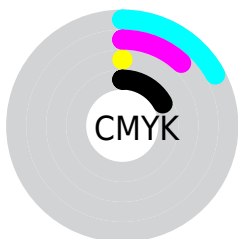
Distribution



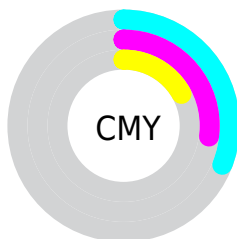
- Red (69%)
- Green (73%)
- Blue (83%)



- Red (69%)
- Yellow (72%)
- Blue (83%)



- Cyan (17%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0113, 48.6312, 68.5370 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 47.0113, 48.6312, 68.5370 by changing the saturation by 10% instead.

■ 47.0113, 48.6312,
68.5370

■ 47.0113, 48.6312,
68.5370

365.5078,
381.2886, 474.0459

■ 33.2526, 34.3270,
49.8653

■ 84.9491, 88.1435,
118.7815

■ 22.4802, 23.1449,
34.9360

109.8589,
114.1203, 151.1914

■ 14.3287, 14.7006,
23.3304

139.2165,
144.7569, 189.0178

■ 8.4329, 8.6095,
14.6301

173.3871,
180.4375, 232.6792

■ 4.4273, 4.4874,
8.4164

212.7362,
221.5466, 282.5942

■ 1.9466, 1.9498,
4.2710

257.6291,

■ 0.6037, 0.5780,

268.4685, 339.1813

1.7752

308.4312,
321.5878, 402.8590

■ 0.0000, 0.0000,
0.4115

■ 0.0000, 0.0000,
0.0000

■ 47.0113, 48.6312,
68.5370

■ 47.0113, 48.6312,
68.5370

■ 39.5064, 40.1614,
67.2985

■ 55.6221, 58.2102,
69.9329

■ 33.0573, 32.7539,
66.2086

■ 65.3776, 68.9310,
71.4880

■ 27.6161, 26.3670,
65.2626

■ 76.3198, 80.8326,
73.2086

■ 23.1299, 20.9540,
64.4542

■ 86.4719, 92.9110,
75.0048

■ 19.5403, 16.4645,
63.7769

■ 88.7580, 97.4832,
75.7669

■ 16.7823, 12.8427,
63.2231

■ 14.7813, 10.0265,
62.7850

■ 13.4442, 7.9418,
62.4531

■ 13.0899, 7.3670,
62.3608

Harmonies

Analogous

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



44.4346, 48.6312, 67.6052



47.0113, 48.6312, 68.5370



49.4655, 48.6312, 64.9958

Triad

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



47.0113, 48.6312, 68.5370



50.2563, 48.6312, 44.3815



41.6742, 48.6312, 47.9309

Complementary

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



47.0113, 48.6312, 68.5370



55.8212, 59.2242, 49.5646

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.



43.1244, 48.6312, 42.4947



47.0113, 48.6312, 68.5370



48.0577, 48.6312, 40.5842

Square

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



47.0113, 48.6312, 68.5370



51.3850, 48.6312, 50.7364



45.4426, 48.6312, 39.9277



41.4179, 48.6312, 55.2294

Rectangle

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



47.0113, 48.6312, 68.5370



50.6786, 48.6312, 60.7553



45.4426, 48.6312, 39.9277



42.0356, 48.6312, 45.8456

Sweetspot

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



47.0128, 48.6332, 68.5381



87.5666, 91.7672, 107.7053



51.8209, 60.0680, 64.5343



18.5256, 19.4021, 23.0185



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.



47.0128, 48.6332, 68.5381



67.7951, 69.7439, 104.4965



47.0912, 45.9658, 68.0191



11.4073, 11.9050, 14.9403



7.9703, 4.5872, 37.6578



0.5107, 0.3866, 2.1273

Inverse Universe

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



51.1474, 48.4034, 52.5483



75.3726, 69.4616, 75.1610



55.7148, 62.3971, 50.1826



11.9317, 11.8574, 12.9164



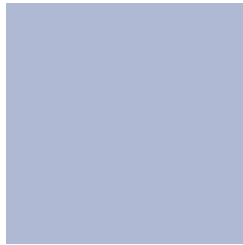
16.6538, 8.5343, 3.0830



0.9640, 0.4903, 0.3453

Previews

White Background



This preview shows how the XYZ color 47.0113, 48.6312, 68.5370 looks on a white background.

Color Contrast Check

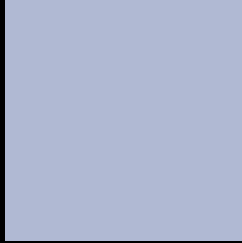
Large Text (above 18pt) WCAG AA × Fail

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 47.0113, 48.6312, 68.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

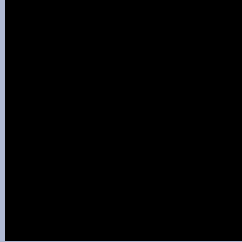
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0113, 48.6312, 68.5370

Background



This preview shows how black text looks on a background with the XYZ color 47.0113, 48.6312, 68.5370.

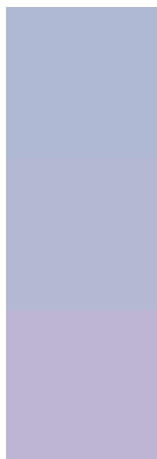


This preview shows how white text looks on a background with the XYZ color 47.0113, 48.6312,

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

47.0113, 48.6312, 68.5370

Protanopia

47.8294, 48.7579, 67.8631

Deuteranopia

49.4401, 48.3431, 69.0127



Tritanopia

45.7685, 48.7564, 62.2570

Trichromacy



Original Color

47.0113, 48.6312, 68.5370

Protanomaly

47.3638, 48.5178, 67.8413

Deuteranomaly

48.6192, 48.5237, 69.0908

Tritanomaly

46.2575, 48.6395, 64.7079

Monochromacy



Original Color

47.0113, 48.6312, 68.5370

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.3780, 48.5380, 57.9633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0113, 48.6312, 68.5370 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(176, 185, 211)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 211)  
}
```

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(176, 185, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 211) }
```

Border

The CSS property to change the border of an element to XYZ 47.0113, 48.6312, 68.5370 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(176, 185, 211) }
```


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

```
.border{ border-color:rgb(176, 185, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 185, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 211);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0113, 48.6312, 68.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 211) }
```

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

```
.background{ background-color: rgb(176,  
185, 211) }
```

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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