

Converting Colors

XYZ(47.7236, 50.3510, 69.3860)

Have a look what the booklet for
XYZ(47.7236, 50.3510, 69.3860)
contains.

XYZ(47.7605, 50.2626, 69.4718)	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(47.7605, 50.2626,
69.4718)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBDD4
RGB	175, 189, 212
RGB Percent	69%, 74%, 83%
CMY	0.3137, 0.2588, 0.1686
CMYK	0.17, 0.11, 0.00, 0.17
HSL	217°, 30%, 76%
HSV	217°, 17%, 83%
XYZ	47.7605, 50.2626, 69.4718
YIQ	187.4360, -15.7270, 4.1850

Conversions

Conversions Part 2

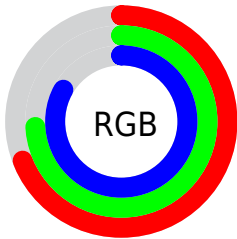
Format	Color
RYB	175, 185, 212
Decimal	11517396
CIELab	76.23, -0.03, -13.16
CIELCh	76, 13.161, 269.848
Yxy	50.2626, 0.2851, 0.3001
Android (android.graphics.Color)	4289707476 (0xFFAFBDD4)
YUV	187.4360, 12.1101, -10.9064
Hunter-Lab	70.8961, -3.8183, -8.4716

Details

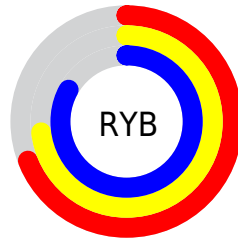
The XYZ color **47.7605, 50.2626, 69.4718** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.0839, 57.4805, 48.7503**, and the grayscale version is **47.4216, 49.8912, 54.3315**.

A 20% lighter version of the original color is **83.6574, 89.5137, 107.4764**, and **22.9160, 24.1802, 35.3577** is the 20% darker color. If you saturate the color by 10%, you get **40.6640, 42.5869, 68.3651**, and if you desaturate by 10%, it is **55.8646, 58.8427, 70.7016**.

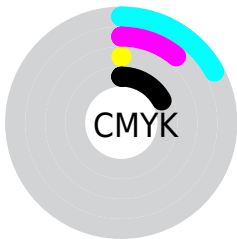
Distribution



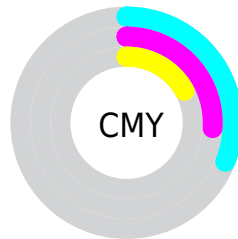
- Red (69%)
- Green (74%)
- Blue (83%)



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



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7605, 50.2626, 69.4718 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 47.7605, 50.2626, 69.4718 by changing the saturation by 10% instead.

■ 47.7605, 50.2626,
69.4718

■ 47.7605, 50.2626,
69.4718

368.4404,
387.6920, 477.4321

■ 33.8477, 35.6221,
50.6219

■ 86.0596, 90.5638,
120.1292

■ 22.9390, 24.1425,
35.5332

111.1766,
116.9934, 152.7739

■ 14.6689, 15.4393,
23.7870

140.7590,
148.1213, 190.8538

■ 8.6721, 9.1283,
14.9650

175.1723,
184.3322, 234.7876

■ 4.5833, 4.8250,
8.6485

214.7817,
226.0103, 284.9938

■ 2.0372, 2.1449,
4.4189

259.9526,

■ 0.6547, 0.6897,

273.5400, 341.8909

1.8579

311.0504,
327.3058, 405.8975

■ 0.0000, 0.0000,
0.4657

■ 0.0000, 0.0000,
0.0000

■ 47.7605, 50.2626,
69.4718

■ 47.7605, 50.2626,
69.4718

■ 40.6640, 42.5869,
68.3651

■ 55.8646, 58.8427,
70.7016

■ 34.5290, 35.7778,
67.3741

■ 65.0108, 68.3508,
72.0548

■ 29.3124, 29.8037,
66.4960

■ 75.2375, 78.8174,
73.5360

■ 24.9657, 24.6288,
65.7262

■ 84.7907, 89.3472,
75.0650

■ 21.4357, 20.2138,
65.0601

■ 88.8489, 97.4638,
76.4178

■ 18.6629, 16.5160,
64.4925

■ 88.8838, 97.5335,
76.4294

■ 16.5782, 13.4867,
64.0176

■ 15.0897, 11.0648,
63.6286

■ 14.7692, 10.5243,
63.5412

Harmonies

Analogous

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



45.4292, 50.2626, 67.3385



47.7605, 50.2626, 69.4718



50.1737, 50.2626, 67.3799

Triad

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



47.7605, 50.2626, 69.4718



52.0078, 50.2626, 48.2391



43.7866, 50.2626, 48.1817

Complementary

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



47.7605, 50.2626, 69.4718



55.0839, 57.4805, 48.7503

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.



45.4503, 50.2626, 43.7671



47.7605, 50.2626, 69.4718



50.1962, 50.2626, 43.7982

Square

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



47.7605, 50.2626, 69.4718



52.6767, 50.2626, 54.7635



47.7857, 50.2626, 42.2324



43.1837, 50.2626, 54.6914

Rectangle

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



47.7605, 50.2626, 69.4718



51.4922, 50.2626, 63.9656



47.7857, 50.2626, 42.2324



44.2375, 50.2626, 46.4245

Sweetspot

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



47.7620, 50.2647, 69.4729



88.0375, 92.7089, 107.8623



51.3956, 60.2707, 62.2409



18.6397, 19.6305, 23.0566



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.



47.7620, 50.2647, 69.4729



68.3042, 71.7913, 104.8648



45.8785, 45.0362, 68.5630



12.1239, 12.7712, 15.7636



9.2069, 6.6757, 39.2564



0.6338, 0.5597, 2.3939

Inverse Universe

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



51.6679, 48.3324, 54.7523



75.3783, 68.5021, 78.1565



57.2058, 63.5471, 49.8094



12.6157, 12.4978, 13.9167



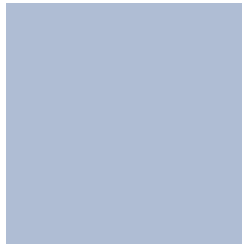
17.7061, 9.0188, 5.7564



1.1076, 0.5598, 0.5559

Previews

White Background



This preview shows how the XYZ color 47.7605, 50.2626, 69.4718 looks on a white background.

Color Contrast Check

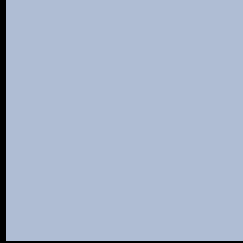
Large Text (above 18pt) WCAG AA × Fail

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 47.7605, 50.2626, 69.4718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

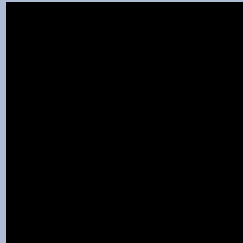
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7605, 50.2626, 69.4718

Background



This preview shows how black text looks on a background with the XYZ color 47.7605, 50.2626, 69.4718.



This preview shows how white text looks on a background with the XYZ color 47.7605, 50.2626, 69.4718.

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

47.7605, 50.2626, 69.4718

Protanopia

48.9589, 49.9613, 68.0359

Deuteranopia

51.1919, 50.1404, 69.9308



Tritanopia

46.8885, 50.2334, 64.9823

Trichromacy



Original Color

47.7605, 50.2626, 69.4718

Protanomaly

48.5843, 50.0676, 68.7314

Deuteranomaly

49.8527, 50.0668, 69.9871

Tritanomaly

47.2542, 50.3796, 66.9082

Monochromacy



Original Color

47.7605, 50.2626, 69.4718

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.4755, 50.0192, 59.3770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7605, 50.2626, 69.4718 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, 189, 212)` looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 212)  
}
```

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, 189, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.7605, 50.2626, 69.4718 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, 189, 212) }
```


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

```
.border{ border-color:rgb(175, 189, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 189, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 189, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 189, 212);  
box-shadow:4px 4px 4px 4px rgb(175, 189,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7605, 50.2626, 69.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 212) }
```

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

```
.background{ background-color: rgb(175,  
189, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor