

Converting Colors

XYZ(48.7105, 50.4651, 73.9395)

Have a look what the booklet for
XYZ(48.7105, 50.4651, 73.9395)
contains.

XYZ(48.6739, 50.3110, 74.1634)	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(48.6739, 50.3110,
74.1634)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BCDB
RGB	176, 188, 219
RGB Percent	69%, 74%, 86%
CMY	0.3098, 0.2627, 0.1412
CMYK	0.20, 0.14, 0.00, 0.14
HSL	223°, 37%, 77%
HSV	223°, 20%, 86%
XYZ	48.6739, 50.3110, 74.1634
YIQ	187.9460, -17.1030, 7.0970

Conversions

Conversions Part 2

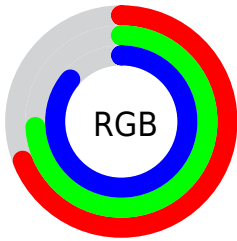
Format	Color
R _Y B	176, 185, 219
Decimal	11582683
CIE Lab	76.26, 2.36, -16.90
CIE LCh	76, 17.065, 277.934
Yxy	50.3110, 0.2811, 0.2906
Android (android.graphics.Color)	4289772763 (0xFFB0BCDB)
YUV	187.9460, 15.3096, -10.4766
Hunter-Lab	70.9302, -1.6373, -12.3414

Details

The XYZ color **48.6739, 50.3110, 74.1634** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.3632, 62.8204, 50.0723**, and the grayscale version is **47.6933, 50.1771, 54.6429**.

A 20% lighter version of the original color is **83.6794, 89.0772, 107.3910**, and **23.5332, 24.2192, 38.5564** is the 20% darker color. If you saturate the color by 10%, you get **40.9260, 41.5821, 72.8877**, and if you desaturate by 10%, it is **57.5927, 60.1937, 75.6017**.

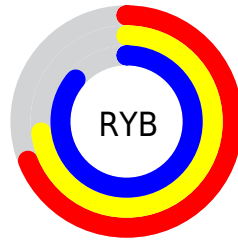
Distribution



Red (69%)

Green (74%)

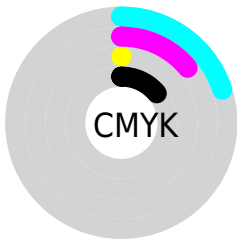
Blue (86%)



Red (69%)

Yellow (73%)

Blue (86%)

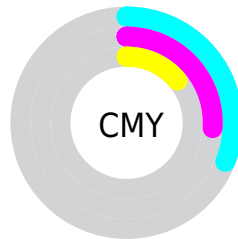


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (14%)



Cyan (31%)

Magenta (26%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6739, 50.3110, 74.1634 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 48.6739, 50.3110, 74.1634 by changing the saturation by 10% instead.

■ 48.6739, 50.3110,
74.1634

■ 48.6739, 50.3110,
74.1634

371.9954,
387.8809, 494.2156

■ 34.5743, 35.6606,
54.4302

■ 87.4106, 90.6355,
126.8636

■ 23.5001, 24.1722,
38.5502

112.7784,
117.0784, 160.6677

■ 15.0860, 15.4614,
26.1048

142.6330,
148.2208, 199.9991

■ 8.9664, 9.1438,
16.6756

177.3398,
184.4473, 245.2764

■ 4.7762, 4.8351,
9.8440

217.2640,
226.1421, 296.9182

■ 2.1500, 2.1508,
5.1914

262.7711,

■ 0.7162, 0.6930,

273.6897, 355.3430

2.2993

314.2265,
327.4745, 420.9692

■ 0.0000, 0.0000,
0.7308

■ 0.0000, 0.0000,
0.0000

■ 48.6739, 50.3110,
74.1634

■ 48.6739, 50.3110,
74.1634

■ 40.9260, 41.5821,
72.8877

■ 57.5927, 60.1937,
75.6017

■ 34.2943, 33.9575,
71.7656

■ 67.7247, 71.2651,
77.2047

■ 28.7265, 27.3931,
70.7920

■ 79.1157, 83.5659,
78.9786

■ 24.1641, 21.8392,
69.9604

■ 88.5716, 95.4651,
80.7770

■ 20.5428, 17.2418,
69.2639

■ 89.7863, 97.8945,
81.1819

■ 17.7900, 13.5412,
68.6947

■ 15.8213, 10.6700,
68.2443

■ 14.5029, 8.5329,
67.9012

■ 14.4618, 8.4655,
67.8904

Harmonies

Analogous

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



45.5435, 50.3110, 72.7980



48.6739, 50.3110, 74.1634



51.7044, 50.3110, 69.8958

Triad

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



48.6739, 50.3110, 74.1634



52.8408, 50.3110, 44.6406



42.3377, 50.3110, 48.4200

Complementary

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



48.6739, 50.3110, 74.1634



59.3632, 62.8204, 50.0723

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.



44.1335, 50.3110, 42.0178



48.6739, 50.3110, 74.1634



50.1693, 50.3110, 40.0114

Square

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



48.6739, 50.3110, 74.1634



54.1792, 50.3110, 52.3823



46.9744, 50.3110, 39.1078



41.9773, 50.3110, 57.2500

Rectangle

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



48.6739, 50.3110, 74.1634



53.2281, 50.3110, 64.6835



46.9744, 50.3110, 39.1078



42.7895, 50.3110, 45.9430

Sweetspot

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



48.6754, 50.3131, 74.1645



86.2252, 90.3764, 107.5076



54.4771, 64.3901, 68.4723



18.2584, 19.1281, 22.9797



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.



48.6754, 50.3131, 74.1645



63.5117, 65.1927, 103.8438



48.3967, 46.5201, 73.4471



12.6331, 13.2059, 16.5353



8.6549, 5.1793, 40.2819



0.6327, 0.4795, 2.6337

Inverse Universe

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



53.8171, 49.7429, 54.3441



72.2304, 64.4518, 70.1838



59.6572, 67.4537, 50.9512



13.2047, 13.1110, 14.3390



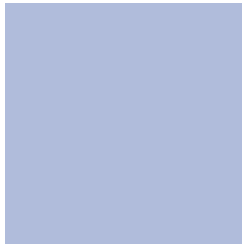
17.8639, 9.1466, 3.6635



1.1936, 0.6071, 0.4287

Previews

White Background



This preview shows how the XYZ color 48.6739, 50.3110, 74.1634 looks on a white background.

Color Contrast Check

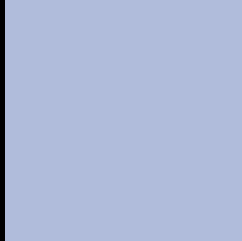
Large Text (above 18pt) WCAG AA × Fail

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 48.6739, 50.3110, 74.1634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

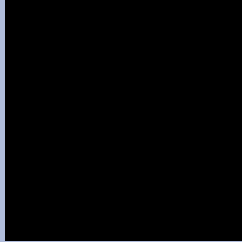
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6739, 50.3110, 74.1634

Background



This preview shows how black text looks on a background with the XYZ color 48.6739, 50.3110, 74.1634.



This preview shows how white text looks on a background with the XYZ color 48.6739, 50.3110,

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

48.6739, 50.3110, 74.1634

Protanopia

49.5052, 50.1249, 73.3955

Deuteranopia

51.3376, 50.1106, 74.6767



Tritanopia

46.6665, 50.1189, 64.9719

Trichromacy



Original Color

48.6739, 50.3110, 74.1634

Protanomaly

49.2476, 50.3059, 73.4440

Deuteranomaly

50.5169, 50.3043, 74.7573

Tritanomaly

47.2860, 50.0470, 68.1406

Monochromacy



Original Color

48.6739, 50.3110, 74.1634

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0592, 50.2803, 61.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6739, 50.3110, 74.1634 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, 188, 219)` looks like.

```
.text, #text, p{  
    color:rgb(176, 188, 219)  
}
```

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, 188, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 188, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.6739, 50.3110, 74.1634 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, 188, 219) }
```


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

```
.border{ border-color:rgb(176, 188, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 188, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 188, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 188, 219);  
box-shadow:4px 4px 4px 4px rgb(176, 188,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6739, 50.3110, 74.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 188, 219) }
```

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

```
.background{ background-color: rgb(176,  
188, 219) }
```

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