

Converting Colors

XYZ(48.4196, 49.7321, 69.4214)

Have a look what the booklet for
XYZ(48.4196, 49.7321, 69.4214)
contains.

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Color

**XYZ(48.2650, 49.5746,
69.3124)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BAD4
RGB	180, 186, 212
RGB Percent	71%, 73%, 83%
CMY	0.2941, 0.2706, 0.1686
CMYK	0.15, 0.12, 0.00, 0.17
HSL	229°, 27%, 77%
HSV	229°, 15%, 83%
XYZ	48.2650, 49.5746, 69.3124
YIQ	187.1700, -11.9220, 6.8140

Conversions

Conversions Part 2

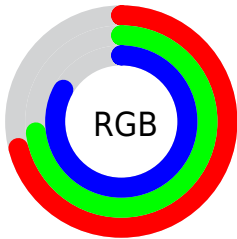
Format	Color
RYB	180, 185, 212
Decimal	11844308
CIELab	75.81, 3.18, -13.76
CIELCh	76, 14.121, 283.022
Yxy	49.5746, 0.2887, 0.2966
Android (android.graphics.Color)	4290034388 (0xFFB4BAD4)
YUV	187.1700, 12.2412, -6.2881
Hunter-Lab	70.4092, -0.8557, -9.0799

Details

The XYZ color **48.2650, 49.5746, 69.3124** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **57.4613, 61.4349, 52.0107**, and the grayscale version is **47.2692, 49.7308, 54.1569**.

A 20% lighter version of the original color is **84.3942, 88.5571, 107.2529**, and **23.2257, 23.7214, 35.2528** is the 20% darker color. If you saturate the color by 10%, you get **40.2898, 40.3986, 67.9624**, and if you desaturate by 10%, it is **57.4354, 60.0187, 70.8458**.

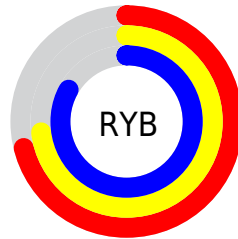
Distribution



Red (71%)

Green (73%)

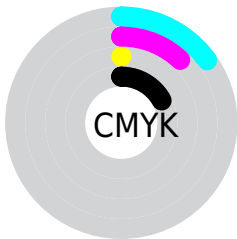
Blue (83%)



Red (71%)

Yellow (73%)

Blue (83%)

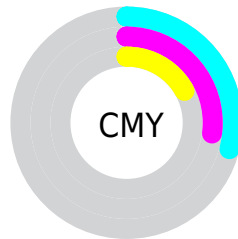


Cyan (15%)

Magenta (12%)

Yellow (0%)

Black (17%)



Cyan (29%)

Magenta (27%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2650, 49.5746, 69.3124 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 48.2650, 49.5746, 69.3124 by changing the saturation by 10% instead.

■ 48.2650, 49.5746,
69.3124

■ 48.2650, 49.5746,
69.3124

370.4067,
385.0000, 476.8558

■ 34.2489, 35.0755,
50.4928

■ 86.8061, 89.5443,
119.8996

■ 23.2487, 23.7210,
35.4312

112.0619,
115.7836, 152.5042

■ 14.8989, 15.1268,
23.7090

141.7950,
146.7052, 190.5410

■ 8.8343, 8.9084,
14.9077

176.3706,
182.6934, 234.4285

■ 4.6895, 4.6815,
8.6087

216.1543,
224.1326, 284.5852

■ 2.0991, 2.0616,
4.3936

261.5113,

■ 0.6888, 0.6429,

271.4071, 341.4296

1.8436

312.8070,
324.9015, 405.3803

■ 0.0000, 0.0000,
0.4565

■ 0.0000, 0.0000,
0.0000

■ 48.2650, 49.5746,
69.3124

■ 48.2650, 49.5746,
69.3124

■ 40.2898, 40.3986,
67.9624

■ 57.4354, 60.0187,
70.8458

■ 33.4557, 32.4358,
66.7856

■ 67.8433, 71.7705,
72.5655

■ 27.7110, 25.6366,
65.7760

■ 79.5343, 84.8757,
74.4789

■ 22.9982, 19.9454,
64.9259

■ 88.8515, 97.4690,
76.4186

■ 19.2542, 15.3019,
64.2269

■ 88.8838, 97.5335,
76.4294

■ 16.4091, 11.6400,
63.6701

■ 14.3827, 8.8854,
63.2452

■ 13.0798, 6.9522,
62.9407

■ 12.6347, 6.2553,
62.8296

Harmonies

Analogous

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



45.6615, 49.5746, 69.0080



48.2650, 49.5746, 69.3124



50.6454, 49.5746, 65.2440

Triad

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



48.2650, 49.5746, 69.3124



50.9041, 49.5746, 44.7093



42.4574, 49.5746, 49.8688

Complementary

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



48.2650, 49.5746, 69.3124



57.4613, 61.4349, 52.0107

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.



43.7606, 49.5746, 44.0904



48.2650, 49.5746, 69.3124



48.6075, 49.5746, 41.3066

Square

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



48.2650, 49.5746, 69.3124



52.2067, 49.5746, 50.7880



45.9916, 49.5746, 41.0910



42.3734, 49.5746, 57.2995

Rectangle

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



48.2650, 49.5746, 69.3124



51.7591, 49.5746, 60.8008



45.9916, 49.5746, 41.0910



42.7651, 49.5746, 47.6863

Sweetspot

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



48.2665, 49.5767, 69.3135



87.2979, 91.2296, 107.6157



53.4589, 61.2280, 67.1396



18.4604, 19.2718, 22.9968



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.



48.2665, 49.5767, 69.3135



69.3689, 70.7821, 104.6139



49.3414, 48.2929, 69.0091



11.9292, 12.3818, 15.6987



7.8541, 3.9701, 38.8055



0.5308, 0.3535, 2.3596

Inverse Universe

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



52.3368, 50.1860, 53.3851



76.6819, 71.9568, 75.9779



56.2481, 62.9956, 52.3759



12.5175, 12.4585, 13.3992



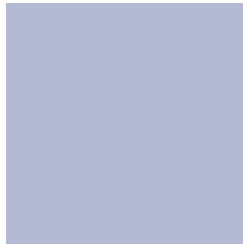
17.0233, 8.7456, 2.1606



1.0555, 0.5390, 0.2819

Previews

White Background



This preview shows how the XYZ color 48.2650, 49.5746, 69.3124 looks on a white background.

Color Contrast Check

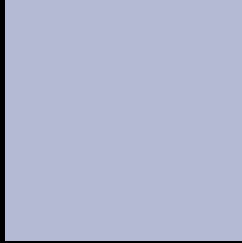
Large Text (above 18pt) WCAG AA × Fail

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 48.2650, 49.5746, 69.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

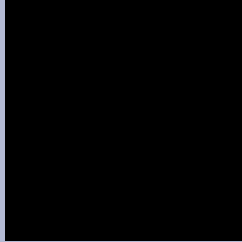
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2650, 49.5746, 69.3124

Background



This preview shows how black text looks on a background with the XYZ color 48.2650, 49.5746, 69.3124.



This preview shows how white text looks on a background with the XYZ color 48.2650, 49.5746,

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

48.2650, 49.5746, 69.3124

Protanopia

48.7611, 49.5187, 69.2754

Deuteranopia

50.4764, 49.4665, 69.8384



Tritanopia

47.0040, 49.6957, 62.9920

Trichromacy



Original Color

48.2650, 49.5746, 69.3124

Protanomaly

48.5240, 49.3965, 69.2643

Deuteranomaly

49.6828, 49.3624, 69.8601

Tritanomaly

47.5013, 49.5806, 65.4589

Monochromacy



Original Color

48.2650, 49.5746, 69.3124

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5013, 49.7165, 59.3172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2650, 49.5746, 69.3124 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(180, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 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(180, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.2650, 49.5746, 69.3124 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(180, 186, 212) }
```


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

```
.border{ border-color:rgb(180, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 186, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 186, 212); box-shadow:4px 4px 4px 4px rgb(180, 186, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2650, 49.5746, 69.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 212) }
```

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

```
.background{ background-color: rgb(180,  
186, 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](#).

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