

Converting Colors

XYZ(49.2091, 51.2249, 68.9605)

Have a look what the booklet for
XYZ(49.2091, 51.2249, 68.9605)
contains.

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Color

**XYZ(49.2274, 51.3538,
68.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BED3
RGB	181, 190, 211
RGB Percent	71%, 75%, 83%
CMY	0.2902, 0.2549, 0.1725
CMYK	0.14, 0.10, 0.00, 0.17
HSL	222°, 25%, 77%
HSV	222°, 14%, 83%
XYZ	49.2274, 51.3538, 68.9457
YIQ	189.7030, -12.1050, 4.6230

Conversions

Conversions Part 2

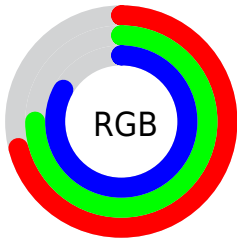
Format	Color
R_{YB}	181, 188, 211
Decimal	11910867
CIE Lab	76.89, 1.14, -11.58
CIE LCh	77, 11.639, 275.608
Yxy	51.3538, 0.2904, 0.3029
Android (android.graphics.Color)	4290100947 (0xFFB5BED3)
YUV	189.7030, 10.4994, -7.6325
Hunter-Lab	71.6616, -2.7884, -6.8799

Details

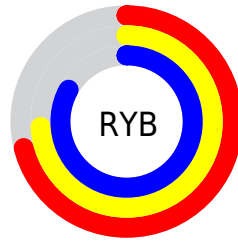
The XYZ color **49.2274, 51.3538, 68.9457** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3254, 59.4260, 52.2189**, and the grayscale version is **48.7205, 51.2578, 55.8197**.

A 20% lighter version of the original color is **85.9308, 91.1361, 107.6697**, and **23.8485, 24.8808, 34.9980** is the 20% darker color. If you saturate the color by 10%, you get **41.6115, 42.9185, 67.7197**, and if you desaturate by 10%, it is **57.9198, 60.8280, 70.3171**.

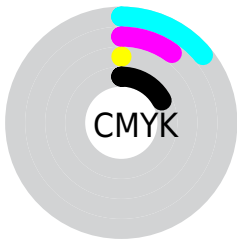
Distribution



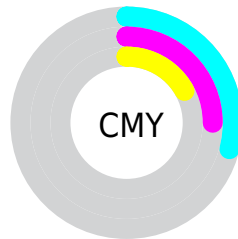
- Red (71%)
- Green (75%)
- Blue (83%)



- Red (71%)
- Yellow (74%)
- Blue (83%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (29%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2274, 51.3538, 68.9457 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 49.2274, 51.3538, 68.9457 by changing the saturation by 10% instead.

■ 49.2274, 51.3538,
68.9457

■ 49.2274, 51.3538,
68.9457

374.1390,
391.9368, 475.5282

■ 35.0152, 36.4903,
50.1960

■ 88.2278, 92.1775,
119.3710

■ 23.8411, 24.8131,
35.1969

113.7467,
118.9065, 151.8837

■ 15.3399, 15.9378,
23.5298

143.7652,
150.3594, 189.8211

■ 9.1462, 9.4802,
14.7762

178.6486,
186.9207, 233.6018

■ 4.8945, 5.0557,
8.5176

218.7623,
228.9746, 283.6443

■ 2.2196, 2.2800,
4.3354

264.4717,

■ 0.7530, 0.7631,

276.9057, 340.3672

1.8111

316.1422,
331.0983, 404.1890

■ 0.0000, 0.0000,
0.4353

■ 0.0000, 0.0000,
0.0000

■ 49.2274, 51.3538,
68.9457

■ 49.2274, 51.3538,
68.9457

■ 41.6115, 42.9185,
67.7197

■ 57.9198, 60.8280,
70.3171

■ 35.0244, 35.4790,
66.6310

■ 67.7248, 71.3692,
71.8350

■ 29.4213, 28.9989,
65.6755

■ 78.6824, 83.0125,
73.5048

■ 24.7524, 23.4366,
64.8479

■ 86.8978, 93.7628,
75.1468

■ 20.9631, 18.7475,
64.1426

■ 88.7580, 97.4832,
75.7669

■ 17.9929, 14.8825,
63.5531

■ 15.7728, 11.7873,
63.0727

■ 14.2206, 9.3990,
62.6935

■ 13.5531, 8.2934,
62.5153

Harmonies

Analogous

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



47.0735, 51.3538, 67.7685



49.2274, 51.3538, 68.9457



51.3307, 51.3538, 66.4233

Triad

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



49.2274, 51.3538, 68.9457



52.3532, 51.3538, 49.1141



45.0355, 51.3538, 51.0310

Complementary

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



49.2274, 51.3538, 68.9457



56.3254, 59.4260, 52.2189

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.



46.3737, 51.3538, 46.5789



49.2274, 51.3538, 68.9457



50.5892, 51.3538, 45.5322

Square

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



49.2274, 51.3538, 68.9457



53.1700, 51.3538, 54.7327



48.3955, 51.3538, 44.6402



44.6956, 51.3538, 57.1153

Rectangle

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



49.2274, 51.3538, 68.9457



52.4075, 51.3538, 63.0875



48.3955, 51.3538, 44.6402



45.3815, 51.3538, 49.3089

Sweetspot

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



49.2289, 51.3559, 68.9468



89.1611, 93.6457, 107.9839



52.9528, 60.6538, 64.4846



18.8538, 19.7947, 23.0770



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.



49.2289, 51.3559, 68.9468



71.9335, 74.8309, 105.2603



48.6542, 48.2539, 68.3784



11.4488, 11.9878, 14.9541



8.2581, 5.1628, 37.7538



0.5312, 0.4276, 2.1341

Inverse Universe

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



52.6833, 50.6156, 55.7106



78.2401, 73.5898, 81.0705



56.9507, 62.9760, 52.8712



11.9527, 11.8658, 13.0265



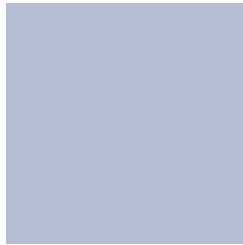
16.7990, 8.5925, 3.8479



0.9744, 0.4945, 0.3998

Previews

White Background



This preview shows how the XYZ color 49.2274, 51.3538, 68.9457 looks on a white background.

Color Contrast Check

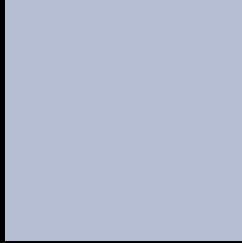
Large Text (above 18pt) WCAG AA × Fail

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 49.2274, 51.3538, 68.9457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

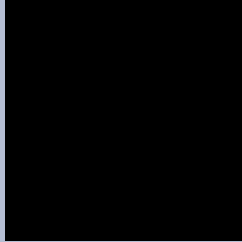
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

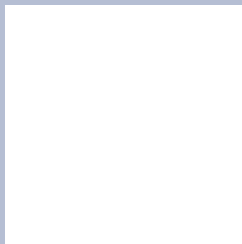
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2274, 51.3538, 68.9457

Background



This preview shows how black text looks on a background with the XYZ color 49.2274, 51.3538, 68.9457.



This preview shows how white text looks on a background with the XYZ color 49.2274, 51.3538,

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

49.2274, 51.3538, 68.9457

Protanopia

50.1096, 51.1844, 68.2113

Deuteranopia

52.5213, 51.4572, 69.4514



Tritanopia

48.5938, 51.4211, 65.7566

Trichromacy



Original Color

49.2274, 51.3538, 68.9457

Protanomaly

49.8380, 51.3626, 68.2600

Deuteranomaly

51.3922, 51.5006, 69.5193

Tritanomaly

48.8384, 51.5190, 67.0446

Monochromacy



Original Color

49.2274, 51.3538, 68.9457

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1000, 51.4689, 60.7727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2274, 51.3538, 68.9457 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(181, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(181, 190, 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(181, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 190, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.2274, 51.3538, 68.9457 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(181, 190, 211) }
```


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

```
.border{ border-color:rgb(181, 190, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(181, 190,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2274, 51.3538, 68.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 190, 211) }
```

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

```
.background{ background-color: rgb(181,  
190, 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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