

Converting Colors

XYZ(46.5341, 49.9656, 68.8202)

Have a look what the booklet for
XYZ(46.5341, 49.9656, 68.8202)
contains.

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Color

**XYZ(46.5335, 49.9651,
68.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BED3
RGB	169, 190, 211
RGB Percent	66%, 75%, 83%
CMY	0.3372, 0.2549, 0.1725
CMYK	0.20, 0.10, 0.00, 0.17
HSL	210°, 32%, 75%
HSV	210°, 20%, 83%
XYZ	46.5335, 49.9651, 68.8197
YIQ	186.1150, -19.2570, 2.0790

Conversions

Conversions Part 2

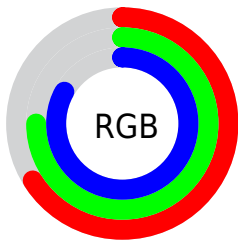
Format	Color
RYB	169, 183, 211
Decimal	11124435
CIELab	76.05, -2.68, -12.94
CIELCh	76, 13.210, 258.283
Yxy	49.9651, 0.2815, 0.3022
Android (android.graphics.Color)	4289314515 (0xFFA9BED3)
YUV	186.1150, 12.2683, -15.0099
Hunter-Lab	70.6860, -6.1916, -8.2444

Details

The XYZ color **46.5335, 49.9651, 68.8197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.4393, 53.5403, 45.1076**, and the grayscale version is **46.6789, 49.1098, 53.4806**.

A 20% lighter version of the original color is **82.0571, 89.1391, 107.4884**, and **22.1489, 24.0046, 34.9185** is the 20% darker color. If you saturate the color by 10%, you get **40.1645, 43.4130, 67.8915**, and if you desaturate by 10%, it is **53.8014, 57.2287, 69.8395**.

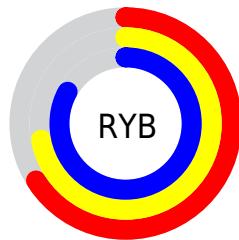
Distribution



Red (66%)

Green (75%)

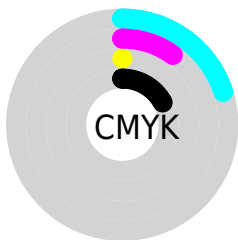
Blue (83%)



Red (66%)

Yellow (72%)

Blue (83%)

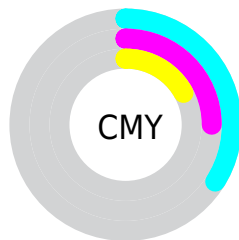


Cyan (20%)

Magenta (10%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (25%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5335, 49.9651, 68.8197 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 46.5335, 49.9651, 68.8197 by changing the saturation by 10% instead.

■ 46.5335, 49.9651,
68.8197

■ 46.5335, 49.9651,
68.8197

363.6295,
386.5294, 475.0715

■ 32.8734, 35.3857,
50.0940

■ 84.2399, 90.1232,
119.1893

■ 22.1883, 23.9601,
35.1164

■ 109.0168,
116.4706, 151.6703

■ 14.1127, 15.3040,
23.4683

138.2302,
147.5095, 189.5735

■ 8.2813, 9.0330,
14.7311

172.2452,
183.6242, 233.3175

■ 4.3288, 4.7627,
8.4864

211.4273,
225.1992, 283.3207

■ 1.8898, 2.1087,
4.3155

256.1418,

■ 0.5709, 0.6695,

272.6188, 340.0018

1.8000

306.7541,
326.2674, 403.7792

■ 0.0000, 0.0000,
0.4279

■ 0.0000, 0.0000,
0.0000

■ 46.5335, 49.9651,
68.8197

■ 46.5335, 49.9651,
68.8197

■ 40.1645, 43.4130,
67.8915

■ 53.8014, 57.2287,
69.8395

■ 34.6515, 37.5411,
67.0487

■ 61.9996, 65.2211,
70.9501

■ 29.9544, 32.3250,
66.2894

■ 71.1636, 73.9668,
72.1552

■ 26.0282, 27.7357,
65.6106

■ 81.3256, 83.4871,
73.4572

■ 22.8227, 23.7418,
65.0086

■ 84.9734, 89.9139,
74.5054

■ 20.2815, 20.3081,
64.4798

■ 88.2172, 96.4016,
75.5867

■ 18.3378, 17.3941,
64.0198

■ 88.7580, 97.4832,
75.7670

■ 16.8748, 14.9330,
63.6218

■ 16.8620, 14.9111,
63.6183

Harmonies

Analogous

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



44.4031, 49.9651, 65.1875



46.5335, 49.9651, 68.8197



48.9941, 49.9651, 68.3497

Triad

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



46.5335, 49.9651, 68.8197



52.1385, 49.9651, 50.2518



44.0367, 49.9651, 45.8545

Complementary

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



46.5335, 49.9651, 68.8197



52.4393, 53.5403, 45.1076

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.



46.0177, 49.9651, 42.4964



46.5335, 49.9651, 68.8197



50.7175, 49.9651, 44.8797

Square

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



46.5335, 49.9651, 68.8197



52.2883, 49.9651, 57.2093



48.4602, 49.9651, 42.1558



42.9953, 49.9651, 51.6910

Rectangle

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



46.5335, 49.9651, 68.8197



50.4903, 49.9651, 65.7796



48.4602, 49.9651, 42.1558



44.6116, 49.9651, 44.4210

Sweetspot

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



46.5350, 49.9671, 68.8208



87.2516, 92.4291, 107.8497



48.8753, 58.7117, 57.0725



18.5007, 19.6127, 23.0605



0.0000, 0.0000, 0.0000



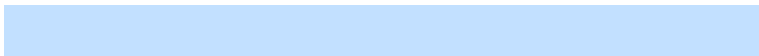
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.5350, 49.9671, 68.8208



67.0111, 72.1914, 105.0102



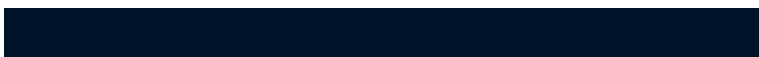
42.4396, 41.7763, 67.4557



11.6451, 12.3804, 15.0196



10.2786, 9.2038, 38.4273



0.6541, 0.6733, 2.1751

Inverse Universe

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



50.3474, 45.9437, 54.9320



73.9967, 65.1583, 79.4850



57.1470, 62.9558, 46.6769



12.0517, 11.9054, 13.5483



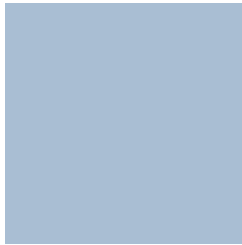
17.8189, 9.0004, 9.2184



1.0364, 0.5193, 0.7264

Previews

White Background



This preview shows how the XYZ color 46.5335, 49.9651, 68.8197 looks on a white background.

Color Contrast Check

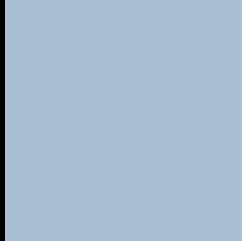
Large Text (above 18pt) WCAG AA × Fail

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 46.5335, 49.9651, 68.8197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

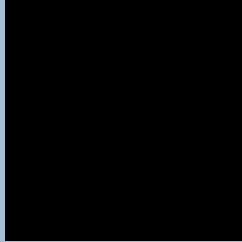
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

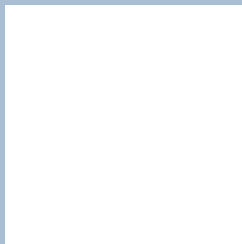
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5335, 49.9651, 68.8197

Background



This preview shows how black text looks on a background with the XYZ color 46.5335, 49.9651, 68.8197.



This preview shows how white text looks on a background with the XYZ color 46.5335, 49.9651,

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

46.5335, 49.9651, 68.8197

Protanopia

48.7112, 49.8622, 66.7315

Deuteranopia

50.7305, 49.5974, 69.8503



Tritanopia

45.9198, 50.0427, 65.6315

Trichromacy



Original Color

46.5335, 49.9651, 68.8197

Protanomaly

47.8694, 49.7278, 67.3970

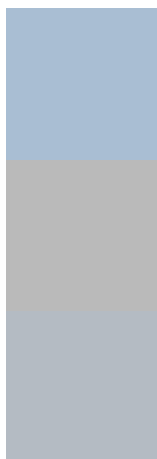
Deuteranomaly

48.9998, 49.6417, 69.2866

Tritanomaly

46.1644, 50.1405, 66.9195

Monochromacy



Original Color

46.5335, 49.9651, 68.8197

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4430, 49.1841, 58.6754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5335, 49.9651, 68.8197 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(169, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.5335, 49.9651, 68.8197 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(169, 190, 211) }
```


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

```
.border{ border-color:rgb(169, 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(169, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5335, 49.9651, 68.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 211) }
```

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

```
.background{ background-color: rgb(169,  
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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