

Converting Colors

XYZ(46.6593, 50.0154, 69.4821)

Have a look what the booklet for
XYZ(46.6593, 50.0154, 69.4821)
contains.

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Color

**XYZ(46.6593, 50.0154,
69.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BED4
RGB	169, 190, 212
RGB Percent	66%, 75%, 83%
CMY	0.3372, 0.2549, 0.1686
CMYK	0.20, 0.10, 0.00, 0.17
HSL	211°, 33%, 75%
HSV	211°, 20%, 83%
XYZ	46.6593, 50.0154, 69.4821
YIQ	186.2290, -19.5780, 2.3900

Conversions

Conversions Part 2

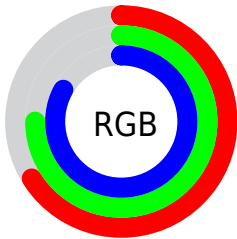
Format	Color
R _Y B	169, 183, 212
Decimal	11124436
CIE Lab	76.08, -2.46, -13.43
CIE LCh	76, 13.654, 259.617
Yxy	50.0154, 0.2808, 0.3010
Android (android.graphics.Color)	4289314516 (0xFFA9BED4)
YUV	186.2290, 12.7051, -15.1098
Hunter-Lab	70.7216, -5.9955, -8.7458

Details

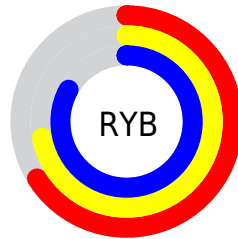
The XYZ color **46.6593, 50.0154, 69.4821** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.9441, 54.1233, 45.1936**, and the grayscale version is **46.7405, 49.1747, 53.5512**.

A 20% lighter version of the original color is **82.0571, 89.1391, 107.4884**, and **22.2339, 24.0386, 35.3664** is the 20% darker color. If you saturate the color by 10%, you get **40.2127, 43.3348, 68.5332**, and if you desaturate by 10%, it is **54.0212, 57.4299, 70.5260**.

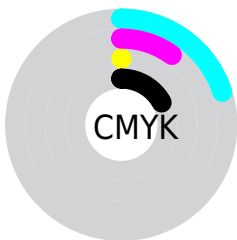
Distribution



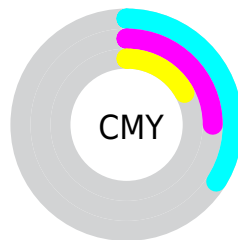
- Red (66%)
- Green (75%)
- Blue (83%)



- 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 46.6593, 50.0154, 69.4821 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 46.6593, 50.0154, 69.4821 by changing the saturation by 10% instead.

■ 46.6593, 50.0154,
69.4821

■ 46.6593, 50.0154,
69.4821

364.1246,
386.7262, 477.4694

■ 32.9732, 35.4256,
50.6302

■ 84.4267, 90.1977,
120.1441

■ 22.2651, 23.9909,
35.5397

■ 109.2387,
116.5590, 152.7913

■ 14.1695, 15.3269,
23.7921

138.4901,
147.6130, 190.8740

■ 8.3211, 9.0491,
14.9687

172.5461,
183.7440, 234.8108

■ 4.3546, 4.7732,
8.6510

211.7723,
225.3364, 285.0202

■ 1.9047, 2.1148,
4.4206

256.5338,

■ 0.5795, 0.6730,

272.7746, 341.9207

1.8588

307.1962,
326.4431, 405.9309

■ 0.0000, 0.0000,
0.4663

■ 0.0000, 0.0000,
0.0000

■ 46.6593, 50.0154,
69.4821

■ 46.6593, 50.0154,
69.4821

■ 40.2127, 43.3348,
68.5332

■ 54.0212, 57.4299,
70.5260

■ 34.6376, 37.3561,
67.6730

■ 62.3305, 65.5965,
71.6644

■ 29.8931, 32.0537,
66.8996

■ 71.6235, 74.5404,
72.9010

■ 25.9331, 27.3978,
66.2097

■ 81.9330, 84.2837,
74.2382

■ 22.7066, 23.3558,
65.5995

■ 85.5442, 90.8542,
75.3161

■ 20.1555, 19.8914,
65.0653

■ 88.8838, 97.5335,
76.4294

■ 18.2117, 16.9626,
64.6024

■ 16.7886, 14.5631,
64.2143

Harmonies

Analogous

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



44.4296, 50.0154, 65.8783



46.6593, 50.0154, 69.4821



49.2044, 50.0154, 68.7957

Triad

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



46.6593, 50.0154, 69.4821



52.3112, 50.0154, 49.8757



43.8979, 50.0154, 45.8521

Complementary

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



46.6593, 50.0154, 69.4821



52.9441, 54.1233, 45.1936

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.



45.9099, 50.0154, 42.2655



46.6593, 50.0154, 69.4821



50.7884, 50.0154, 44.4407

Square

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



46.6593, 50.0154, 69.4821



52.5294, 50.0154, 57.0303



48.4279, 50.0154, 41.7730



42.8735, 50.0154, 51.9647

Rectangle

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



46.6593, 50.0154, 69.4821



50.7358, 50.0154, 66.0157



48.4279, 50.0154, 41.7730



44.4777, 50.0154, 44.3352

Sweetspot

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



46.6608, 50.0174, 69.4832



87.1971, 92.3201, 107.8315



49.2557, 59.2625, 57.8460



18.4878, 19.5869, 23.0562



0.0000, 0.0000, 0.0000



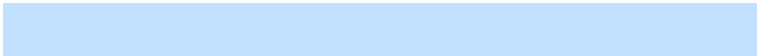
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6608, 50.0174, 69.4832



66.8197, 71.8086, 104.9464



42.4349, 41.5656, 68.0746



12.2383, 13.0001, 15.8018



10.4640, 9.1898, 39.6754



0.7139, 0.7197, 2.4206

Inverse Universe

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



50.6348, 46.0919, 54.9454



73.9000, 65.1197, 78.9763



57.8572, 63.9495, 46.8313



12.6735, 12.5209, 14.2209



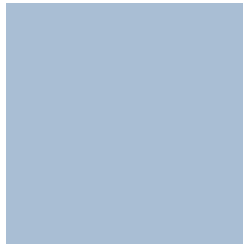
18.3406, 9.2726, 9.0976



1.1480, 0.5760, 0.7686

Previews

White Background



This preview shows how the XYZ color 46.6593, 50.0154, 69.4821 looks on a white background.

Color Contrast Check

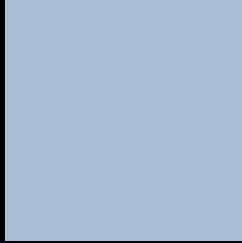
Large Text (above 18pt) WCAG AA × Fail

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 46.6593, 50.0154, 69.4821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

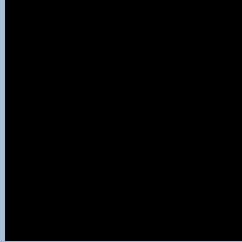
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

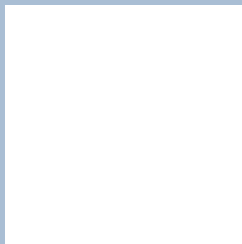
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6593, 50.0154, 69.4821

Background



This preview shows how black text looks on a background with the XYZ color 46.6593, 50.0154, 69.4821.



This preview shows how white text looks on a background with the XYZ color 46.6593, 50.0154,

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

46.6593, 50.0154, 69.4821

Protanopia

48.8347, 49.9116, 67.3816

Deuteranopia

51.0634, 50.0595, 70.5894



Tritanopia

45.9198, 50.0427, 65.6315

Trichromacy



Original Color

46.6593, 50.0154, 69.4821

Protanomaly

47.9936, 49.7775, 68.0513

Deuteranomaly

49.3363, 50.1123, 70.0231

Tritanomaly

46.1644, 50.1405, 66.9195

Monochromacy



Original Color

46.6593, 50.0154, 69.4821

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 46.6593, 50.0154, 69.4821 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 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(169, 190, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.6593, 50.0154, 69.4821 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, 212) }
```


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

```
.border{ border-color:rgb(169, 190, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 212);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6593, 50.0154, 69.4821 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, 212) }
```

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

```
.background{ background-color: rgb(169,  
190, 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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