

Converting Colors

XYZ(46.4103, 49.9208, 72.7344)

Have a look what the booklet for
XYZ(46.4103, 49.9208, 72.7344)
contains.

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Color

**XYZ(46.4549, 49.8360,
72.8165)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BED9
RGB	165, 190, 217
RGB Percent	65%, 75%, 85%
CMY	0.3529, 0.2549, 0.1490
CMYK	0.24, 0.12, 0.00, 0.15
HSL	211°, 41%, 75%
HSV	211°, 24%, 85%
XYZ	46.4549, 49.8360, 72.8165
YIQ	185.6030, -23.5670, 3.0970

Conversions

Conversions Part 2

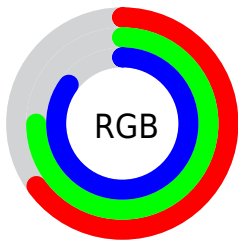
Format	Color
RYB	165, 182, 217
Decimal	10862297
CIELab	75.97, -2.56, -16.33
CIElCh	76, 16.532, 261.082
Yxy	49.8360, 0.2747, 0.2947
Android (android.graphics.Color)	4289052377 (0xFFA5BED9)
YUV	185.6030, 15.4787, -18.0688
Hunter-Lab	70.5946, -6.0784, -11.7399

Details

The XYZ color **46.4549, 49.8360, 72.8165** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.2570, 55.1679, 43.3874**, and the grayscale version is **46.3771, 48.7923, 53.1348**.

A 20% lighter version of the original color is **80.8246, 88.5037, 107.4308**, and **22.1493, 23.9447, 37.6368** is the 20% darker color. If you saturate the color by 10%, you get **39.9722, 43.0115, 71.8417**, and if you desaturate by 10%, it is **53.8951, 57.4366, 73.8923**.

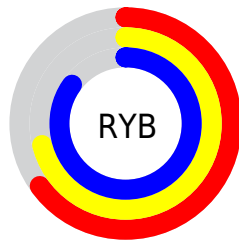
Distribution



Red (65%)

Green (75%)

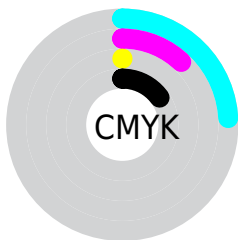
Blue (85%)



Red (65%)

Yellow (71%)

Blue (85%)

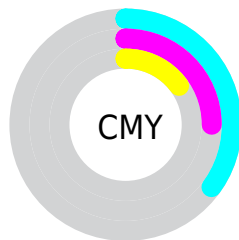


Cyan (24%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (35%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4549, 49.8360, 72.8165 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 46.4549, 49.8360, 72.8165 by changing the saturation by 10% instead.

■ 46.4549, 49.8360,
72.8165

■ 46.4549, 49.8360,
72.8165

363.3198,
386.0243, 489.4323

■ 32.8111, 35.2831,
53.3350

■ 84.1231, 89.9318,
124.9352

■ 22.1403, 23.8810,
37.6807

■ 108.8782,
116.2436, 158.4094

■ 14.0772, 15.2454,
25.4351

138.0677,
147.2437, 197.3851

■ 8.2564, 8.9918,
16.1795

172.0571,
183.3166, 242.2806

■ 4.3127, 4.7358,
9.4956

211.2116,
224.8468, 293.5145

■ 1.8805, 2.0931,
4.9646

255.8967,

■ 0.5655, 0.6607,

272.2185, 351.5054

2.1681

306.4776,
325.8162, 416.6718

■ 0.0000, 0.0000,
0.6559

■ 0.0000, 0.0000,
0.0000

■ 46.4549, 49.8360,
72.8165

■ 46.4549, 49.8360,
72.8165

■ 39.9722, 43.0115,
71.8417

■ 53.8951, 57.4366,
73.8923

■ 34.3995, 36.9286,
70.9613

■ 62.3283, 65.8341,
75.0686

■ 29.6920, 31.5591,
70.1730

■ 71.7936, 75.0556,
76.3497

■ 25.7989, 26.8698,
69.4731

■ 82.3266, 85.1254,
77.7382

■ 22.6633, 22.8245,
68.8575

■ 86.8228, 92.3864,
78.9028

■ 20.2203, 19.3823,
68.3219

■ 89.5245, 97.7898,
79.8033

■ 18.3915, 16.4951,
67.8610

■ 17.5087, 14.9781,
67.6147

Harmonies

Analogous

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



43.7414, 49.8360, 68.5685



46.4549, 49.8360, 72.8165



49.5315, 49.8360, 71.6898

Triad

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



46.4549, 49.8360, 72.8165



53.1152, 49.8360, 48.3839



42.9047, 49.8360, 44.2839

Complementary

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



46.4549, 49.8360, 72.8165



54.2570, 55.1679, 43.3874

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.



45.2677, 49.8360, 39.9172



46.4549, 49.8360, 72.8165



51.1889, 49.8360, 42.0998

Square

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



46.4549, 49.8360, 72.8165



53.4668, 49.8360, 56.9366



48.2922, 49.8360, 39.1634



41.7509, 49.8360, 51.6743

Rectangle

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



46.4549, 49.8360, 72.8165



51.3697, 49.8360, 68.0879



48.2922, 49.8360, 39.1634



43.5790, 49.8360, 42.4488

Sweetspot

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



46.4564, 49.8380, 72.8176



85.8996, 90.9992, 107.6450



49.8306, 61.4259, 59.0229



18.2246, 19.3174, 23.0180



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.



46.4564, 49.8380, 72.8176



61.8291, 66.4724, 104.1795



41.6786, 40.0139, 71.1732



12.8527, 13.6451, 16.6085



10.7034, 9.2762, 40.9648



0.7794, 0.7729, 2.6826

Inverse Universe

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



51.3659, 45.3810, 54.7695



70.2472, 59.3173, 73.1240



59.9636, 66.9625, 45.3632



13.3155, 13.1553, 14.9227



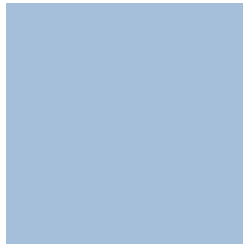
18.8979, 9.5602, 9.1083



1.2677, 0.6367, 0.8186

Previews

White Background



This preview shows how the XYZ color 46.4549, 49.8360, 72.8165 looks on a white background.

Color Contrast Check

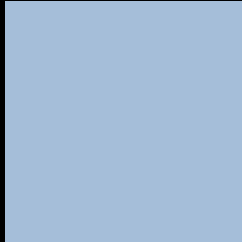
Large Text (above 18pt) WCAG AA × Fail

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 46.4549, 49.8360, 72.8165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

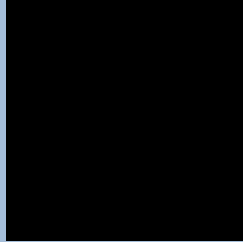
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

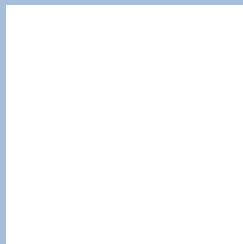
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4549, 49.8360, 72.8165

Background



This preview shows how black text looks on a background with the XYZ color 46.4549, 49.8360, 72.8165.



This preview shows how white text looks on a background with the XYZ color 46.4549, 49.8360,

72.8165.

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

46.4549, 49.8360, 72.8165

Protanopia

48.7780, 49.4980, 70.6015

Deuteranopia

50.7493, 49.5175, 73.9009



Tritanopia

45.2164, 49.9908, 66.2975

Trichromacy



Original Color

46.4549, 49.8360, 72.8165

Protanomaly

47.9406, 49.6771, 71.3519

Deuteranomaly

49.0599, 49.5836, 73.3145

Tritanomaly

45.6985, 49.8573, 68.8429

Monochromacy



Original Color

46.4549, 49.8360, 72.8165

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2085, 49.0368, 59.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4549, 49.8360, 72.8165 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(165, 190, 217)` looks like.

```
.text, #text, p{  
    color:rgb(165, 190, 217)  
}
```

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(165, 190, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 190, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.4549, 49.8360, 72.8165 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(165, 190, 217) }
```


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

```
.border{ border-color:rgb(165, 190, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 190, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 190, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 190, 217);  
box-shadow:4px 4px 4px 4px rgb(165, 190,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4549, 49.8360, 72.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 190, 217) }
```

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

```
.background{ background-color: rgb(165,  
190, 217) }
```

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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