

Converting Colors

XYZ(46.3975, 50.9650, 64.5186)

Have a look what the booklet for
XYZ(46.3975, 50.9650, 64.5186)
contains.

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Color

**XYZ(46.3312, 50.9346,
64.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C1CC
RGB	169, 193, 204
RGB Percent	66%, 76%, 80%
CMY	0.3372, 0.2431, 0.2000
CMYK	0.17, 0.05, 0.00, 0.20
HSL	199°, 26%, 73%
HSV	199°, 17%, 80%
XYZ	46.3312, 50.9346, 64.5162
YIQ	187.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

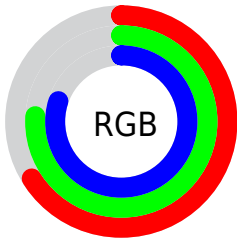
Format	Color
R _Y B	169, 183, 204
Decimal	11125196
CIE Lab	76.64, -5.80, -8.26
CIE LCh	77, 10.096, 234.905
Yxy	50.9346, 0.2864, 0.3148
Android (android.graphics.Color)	4289315276 (0xFFA9C1CC)
YUV	187.0780, 8.3425, -15.8544
Hunter-Lab	71.3685, -9.0157, -3.6395

Details

The XYZ color **46.3312, 50.9346, 64.5162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3848, 48.3443, 44.3182**, and the grayscale version is **47.2409, 49.7011, 54.1245**.

A 20% lighter version of the original color is **82.9770, 90.9789, 107.7951**, and **22.0856, 24.6712, 32.4521** is the 20% darker color. If you saturate the color by 10%, you get **40.9055, 46.0806, 63.8661**, and if you desaturate by 10%, it is **52.5042, 56.2676, 65.2210**.

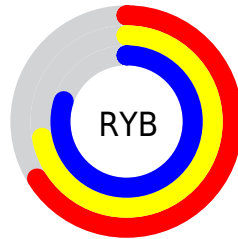
Distribution



Red (66%)

Green (76%)

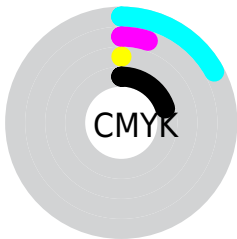
Blue (80%)



Red (66%)

Yellow (72%)

Blue (80%)

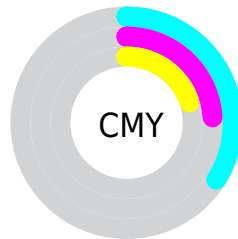


Cyan (17%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (34%)

Magenta (24%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3312, 50.9346, 64.5162 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 46.3312, 50.9346, 64.5162 by changing the saturation by 10% instead.

■ 46.3312, 50.9346,
64.5162

■ 46.3312, 50.9346,
64.5162

362.8322,
390.3096, 459.3099

■ 32.7130, 36.1566,
46.6200

■ 83.9393, 91.5581,
112.9606

■ 22.0648, 24.5551,
32.3832

■ 108.6599,
118.1723, 144.3460

■ 14.0214, 15.7459,
21.3871

137.8119,
149.5008, 181.0648

■ 8.2174, 9.3445,
13.2133

171.7609,
185.9278, 223.5356

■ 4.2873, 4.9666,
7.4431

210.8720,
227.8378, 272.1770

■ 1.8659, 2.2277,
3.6581

255.5107,

■ 0.5569, 0.7350,

275.6152, 327.4075

1.4397

306.0423,
329.6443, 389.6456

■ 0.0000, 0.0000,
0.1724

■ 0.0000, 0.0000,
0.0000

■ 46.3312, 50.9346,
64.5162

■ 46.3312, 50.9346,
64.5162

■ 40.9055, 46.0806,
63.8661

■ 52.5042, 56.2676,
65.2210

■ 36.1902, 41.6816,
63.2655

■ 59.4502, 62.0902,
65.9788

■ 32.1520, 37.7205,
62.7138

■ 67.1993, 68.4201,
66.7922

■ 28.7529, 34.1766,
62.2089

■ 75.7784, 75.2724,
67.6627

■ 25.9510, 31.0270,
61.7486

■ 79.0789, 79.4991,
68.3045

■ 23.6990, 28.2461,
61.3306

■ 80.8450, 83.0313,
68.8932

■ 21.9415, 25.8042,
60.9518

■ 82.6769, 86.6950,
69.5038

■ 20.6040, 23.6615,
60.6087

■ 84.5752, 90.4916,
70.1366

■ 20.2631, 23.0874,
60.5159

■ 86.5406, 94.4224,
70.7917

Harmonies

Analogous

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



45.1571, 50.9346, 60.0066



46.3312, 50.9346, 64.5162



48.0864, 50.9346, 66.6072

Triad

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



46.3312, 50.9346, 64.5162



52.1622, 50.9346, 56.3983



46.8819, 50.9346, 46.4572

Complementary

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



46.3312, 50.9346, 64.5162



48.3848, 48.3443, 44.3182

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.



48.7386, 50.9346, 45.6300



46.3312, 50.9346, 64.5162



51.8193, 50.9346, 51.1474

Square

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



46.3312, 50.9346, 64.5162



51.4788, 50.9346, 61.7277



50.5538, 50.9346, 47.2920



45.4691, 50.9346, 49.6300

Rectangle

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



46.3312, 50.9346, 64.5162



49.3625, 50.9346, 66.2549



50.5538, 50.9346, 47.2920



47.4734, 50.9346, 45.9048

Sweetspot

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



46.3327, 50.9367, 64.5173



89.2491, 95.1320, 108.2661



46.1433, 54.8966, 51.0784



18.9342, 20.2194, 23.1547



0.0000, 0.0000, 0.0000



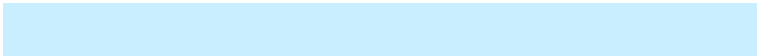
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3327, 50.9367, 64.5173



72.8838, 80.9505, 106.3914



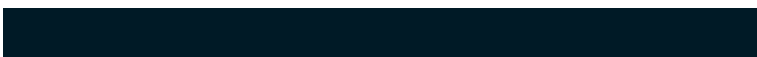
42.7875, 43.8462, 63.3356



11.2344, 12.1092, 14.3156



12.8402, 14.7044, 38.1177



0.7284, 0.8906, 1.9885

Inverse Universe

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



48.7166, 45.0646, 56.5852



77.6899, 69.4267, 90.3292



52.0304, 55.6353, 45.5334



11.5317, 11.3414, 13.3344



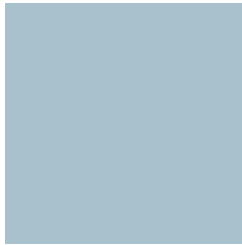
18.6920, 9.2874, 16.6288



0.9976, 0.4925, 1.0334

Previews

White Background



This preview shows how the XYZ color 46.3312, 50.9346, 64.5162 looks on a white background.

Color Contrast Check

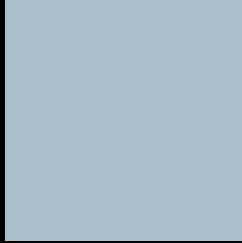
Large Text (above 18pt) WCAG AA × Fail

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 46.3312, 50.9346, 64.5162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

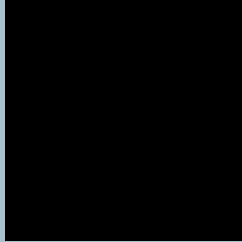
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

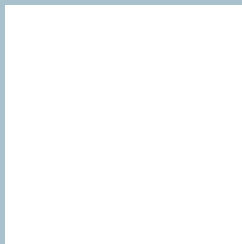
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3312, 50.9346, 64.5162

Background



This preview shows how black text looks on a background with the XYZ color 46.3312, 50.9346, 64.5162.

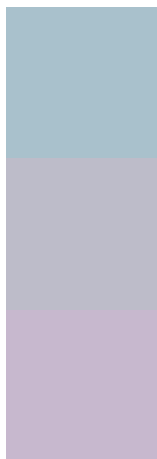


This preview shows how white text looks on a background with the XYZ color 46.3312, 50.9346,

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

46.3312, 50.9346, 64.5162

Protanopia

49.5121, 51.0023, 62.4932

Deuteranopia

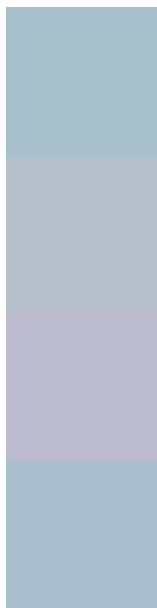
51.8343, 50.8793, 65.4813



Tritanopia

46.8124, 50.7994, 67.0125

Trichromacy



Original Color

46.3312, 50.9346, 64.5162

Protanomaly

48.3655, 51.0363, 63.1790

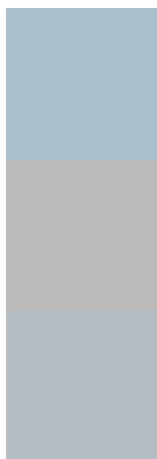
Deuteranomaly

49.5288, 50.6398, 64.9216

Tritanomaly

46.6897, 50.7503, 66.3665

Monochromacy



Original Color

46.3312, 50.9346, 64.5162

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6456, 49.9487, 57.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3312, 50.9346, 64.5162 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, 193, 204)` looks like.

```
.text, #text, p{  
    color:rgb(169, 193, 204)  
}
```

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, 193, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 193, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.3312, 50.9346, 64.5162 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, 193, 204) }
```


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

```
.border{ border-color:rgb(169, 193, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 193, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 193, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 193, 204);  
box-shadow:4px 4px 4px 4px rgb(169, 193,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3312, 50.9346, 64.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 193, 204) }
```

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

```
.background{ background-color: rgb(169,  
193, 204) }
```

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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