

Converting Colors

XYZ(46.2970, 51.3699, 64.6035)

Have a look what the booklet for
XYZ(46.2970, 51.3699, 64.6035)
contains.

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Color

**XYZ(46.1272, 51.1587,
64.5702)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C2CC
RGB	167, 194, 204
RGB Percent	65%, 76%, 80%
CMY	0.3451, 0.2392, 0.2000
CMYK	0.18, 0.05, 0.00, 0.20
HSL	196°, 27%, 73%
HSV	196°, 18%, 80%
XYZ	46.1272, 51.1587, 64.5702
YIQ	187.0670, -19.3020, -2.6140

Conversions

Conversions Part 2

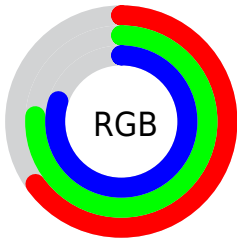
Format	Color
R _Y B	167, 183, 204
Decimal	10994380
CIE Lab	76.78, -6.97, -8.07
CIE LCh	77, 10.664, 229.205
Yxy	51.1587, 0.2850, 0.3161
Android (android.graphics.Color)	4289184460 (0xFFA7C2CC)
YUV	187.0670, 8.3480, -17.5988
Hunter-Lab	71.5253, -10.0533, -3.4569

Details

The XYZ color **46.1272, 51.1587, 64.5702** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5994, 47.0716, 43.1371**, and the grayscale version is **47.2353, 49.6952, 54.1180**.

A 20% lighter version of the original color is **82.3598, 91.1208, 107.8550**, and **21.8225, 24.5356, 32.4398** is the 20% darker color. If you saturate the color by 10%, you get **40.9491, 46.7030, 63.9839**, and if you desaturate by 10%, it is **52.0337, 56.0601, 65.2058**.

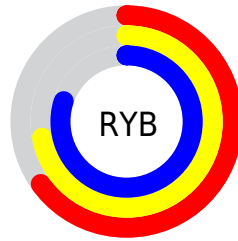
Distribution



Red (65%)

Green (76%)

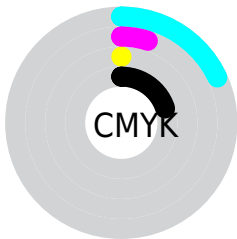
Blue (80%)



Red (65%)

Yellow (72%)

Blue (80%)

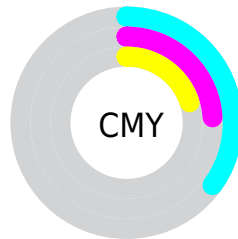


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (35%)

Magenta (24%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1272, 51.1587, 64.5702 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 46.1272, 51.1587, 64.5702 by changing the saturation by 10% instead.

■ 46.1272, 51.1587,
64.5702

■ 46.1272, 51.1587,
64.5702

362.0272,
391.1801, 459.5097

■ 32.5513, 36.3349,
46.6635

■ 83.6360, 91.8893,
113.0391

■ 21.9405, 24.6930,
32.4173

■ 108.2996,
118.5649, 144.4383

■ 13.9295, 15.8485,
21.4130

137.3898,
149.9600, 181.1722

■ 8.1530, 9.4170,
13.2320

171.2720,
186.4588, 223.6592

■ 4.2457, 5.0142,
7.4559

210.3114,
228.4458, 272.3180

■ 1.8420, 2.2556,
3.6661

254.8735,

■ 0.5428, 0.7500,

276.3055, 327.5669

1.4440

305.3237,
330.4221, 389.8247

■ 0.0000, 0.0000,
0.1757

■ 0.0000, 0.0000,
0.0000

■ 46.1272, 51.1587,
64.5702

■ 46.1272, 51.1587,
64.5702

■ 40.9491, 46.7030,
63.9839

■ 52.0337, 56.0601,
65.2058

■ 36.4625, 42.6693,
63.4418

■ 58.6942, 61.4171,
65.8887

■ 32.6342, 39.0411,
62.9433

■ 66.1386, 67.2473,
66.6217

■ 29.4262, 35.7980,
62.4864

■ 74.3939, 73.5651,
67.4061

■ 26.7963, 32.9176,
62.0690

■ 78.1450, 77.6313,
67.9932

■ 24.6969, 30.3744,
61.6888

■ 79.6293, 80.5999,
68.4880

■ 23.0720, 28.1389,
61.3429

■ 81.1619, 83.6650,
68.9988

■ 21.8384, 26.1673,
61.0274

■ 82.7432, 86.8276,
69.5259

■ 21.6278, 25.8167,
60.9708

■ 84.3736, 90.0884,
70.0694

Harmonies

Analogous

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



45.0429, 51.1587, 59.4488



46.1272, 51.1587, 64.5702



47.8998, 51.1587, 67.3792

Triad

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



46.1272, 51.1587, 64.5702



52.5470, 51.1587, 57.8160



47.3564, 51.1587, 45.8307

Complementary

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



46.1272, 51.1587, 64.5702



47.5994, 47.0716, 43.1371

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.



49.3571, 51.1587, 45.4604



46.1272, 51.1587, 64.5702



52.3917, 51.1587, 52.1182

Square

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



46.1272, 51.1587, 64.5702



51.6297, 51.1587, 63.3039



51.2110, 51.1587, 47.6874



45.7389, 51.1587, 48.7365

Rectangle

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



46.1272, 51.1587, 64.5702



49.2497, 51.1587, 67.4402



51.2110, 51.1587, 47.6874



48.0052, 51.1587, 45.4135

Sweetspot

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



46.1287, 51.1608, 64.5714



89.4246, 95.4831, 108.3246



45.4526, 54.5711, 49.6639



18.9769, 20.3048, 23.1690



0.0000, 0.0000, 0.0000



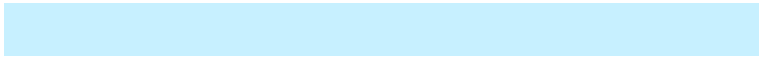
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1287, 51.1608, 64.5714



72.6902, 81.5755, 106.5222



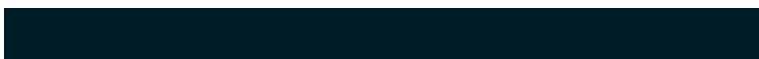
42.2899, 43.4832, 63.2917



11.2769, 12.1943, 14.3298



13.6931, 16.4101, 38.4020



0.7671, 0.9680, 2.0014

Inverse Universe

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



48.4593, 44.3709, 57.0517



77.3451, 68.3427, 91.4299



51.4751, 54.8230, 44.4290



11.5531, 11.3500, 13.4475



19.1225, 9.4596, 18.8957



1.0172, 0.5003, 1.1362

Previews

White Background



This preview shows how the XYZ color 46.1272, 51.1587, 64.5702 looks on a white background.

Color Contrast Check

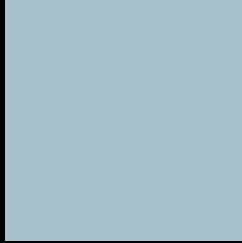
Large Text (above 18pt) WCAG AA × Fail

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 46.1272, 51.1587, 64.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

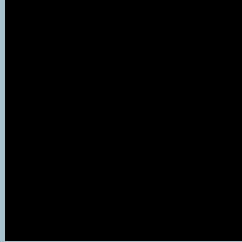
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1272, 51.1587, 64.5702

Background



This preview shows how black text looks on a background with the XYZ color 46.1272, 51.1587, 64.5702.



This preview shows how white text looks on a background with the XYZ color 46.1272, 51.1587,

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

46.1272, 51.1587, 64.5702

Protanopia

49.3948, 50.9554, 61.8756

Deuteranopia

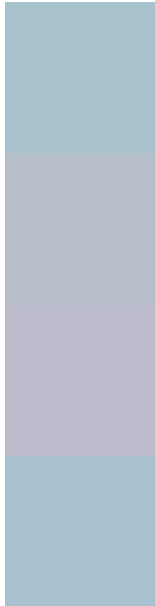
52.1005, 51.0166, 65.4937



Tritanopia

46.7270, 51.0682, 67.7160

Trichromacy



Original Color

46.1272, 51.1587, 64.5702

Protanomaly

48.0121, 50.8677, 62.5463

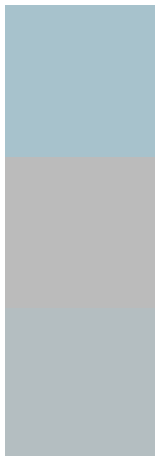
Deuteranomaly

49.7417, 51.0656, 64.9926

Tritanomaly

46.4809, 50.9698, 66.4198

Monochromacy



Original Color

46.1272, 51.1587, 64.5702

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.8615, 50.3805, 57.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1272, 51.1587, 64.5702 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(167, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(167, 194, 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(167, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.1272, 51.1587, 64.5702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

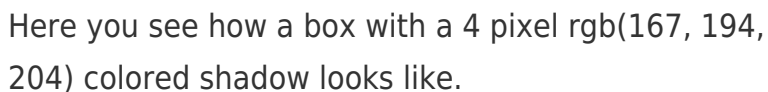
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 194, 204) }
```


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

```
.border{ border-color:rgb(167, 194, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(167, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1272, 51.1587, 64.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 194, 204) }
```

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

```
.background{ background-color: rgb(167,  
194, 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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