

Converting Colors

XYZ(46.8946, 51.5167, 64.4391)

Have a look what the booklet for
XYZ(46.8946, 51.5167, 64.4391)
contains.

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Color

**XYZ(46.9855, 51.6011,
64.6104)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC2CC
RGB	171, 194, 204
RGB Percent	67%, 76%, 80%
CMY	0.3294, 0.2392, 0.2000
CMYK	0.16, 0.05, 0.00, 0.20
HSL	198°, 24%, 74%
HSV	198°, 16%, 80%
XYZ	46.9855, 51.6011, 64.6104
YIQ	188.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

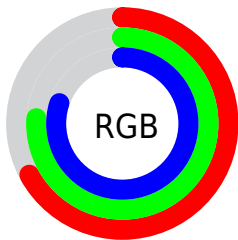
Format	Color
R_{YB}	171, 185, 204
Decimal	11256524
CIE Lab	77.04, -5.69, -7.65
CIE LCh	77, 9.536, 233.329
Yxy	51.6011, 0.2879, 0.3162
Android (android.graphics.Color)	4289446604 (0xFFABC2CC)
YUV	188.2630, 7.7583, -15.1397
Hunter-Lab	71.8339, -8.9551, -3.0442

Details

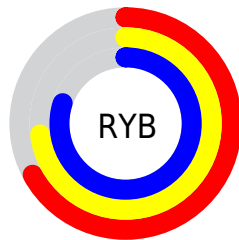
The XYZ color **46.9855, 51.6011, 64.6104** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.7770, 48.8256, 45.3827**, and the grayscale version is **47.9148, 50.4101, 54.8966**.

A 20% lighter version of the original color is **83.9142, 91.9221, 107.9277**, and **22.3543, 24.8097, 32.4647** is the 20% darker color. If you saturate the color by 10%, you get **41.5336, 46.7921, 63.9703**, and if you desaturate by 10%, it is **53.1835, 56.8824, 65.3039**.

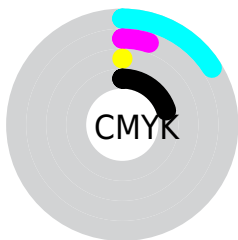
Distribution



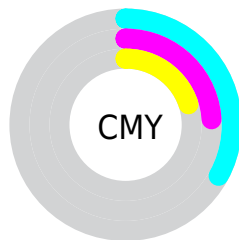
- Red (67%)
- Green (76%)
- Blue (80%)



- Red (67%)
- Yellow (73%)
- Blue (80%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9855, 51.6011, 64.6104 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 46.9855, 51.6011, 64.6104 by changing the saturation by 10% instead.

■ 46.9855, 51.6011,
64.6104

■ 46.9855, 51.6011,
64.6104

365.4065,
392.8947, 459.6584

■ 33.2321, 36.6872,
46.6959

■ 84.9109, 92.5427,
113.0975

■ 22.4644, 24.9654,
32.4427

109.8135,
119.3392, 144.5071

■ 14.3170, 16.0513,
21.4322

139.1633,
150.8653, 181.2522

■ 8.4247, 9.5605,
13.2460

173.3255,
187.5055, 223.7513

■ 4.4219, 5.1085,
7.4655

212.6656,
229.6441, 272.4229

■ 1.9435, 2.3111,
3.6720

257.5489,

■ 0.6019, 0.7796,

277.6656, 327.6856

1.4472

308.3408,
331.9543, 389.9579

■ 0.0000, 0.0000,
0.1781

■ 0.0000, 0.0000,
0.0000

■ 46.9855, 51.6011,
64.6104

■ 46.9855, 51.6011,
64.6104

■ 41.5336, 46.7921,
63.9703

■ 53.1835, 56.8824,
65.3039

■ 36.7911, 42.4314,
63.3786

■ 60.1530, 62.6459,
66.0491

■ 32.7252, 38.5024,
62.8345

■ 67.9239, 68.9095,
66.8485

■ 29.2983, 34.9845,
62.3361

■ 76.5229, 75.6879,
67.7037

■ 26.4689, 31.8555,
61.8813

■ 79.0391, 79.4194,
68.2913

■ 24.1904, 29.0901,
61.4676

■ 80.7394, 82.8200,
68.8581

■ 22.4086, 26.6593,
61.0923

■ 82.5008, 86.3428,
69.4452

■ 21.0553, 24.5268,
60.7520

■ 84.3239, 89.9891,
70.0529

■ 20.6016, 23.7644,
60.6288

■ 86.2094, 93.7599,
70.6814

Harmonies

Analogous

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



45.9025, 51.6011, 60.2468



46.9855, 51.6011, 64.6104



48.6400, 51.6011, 66.7354

Triad

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



46.9855, 51.6011, 64.6104



52.6028, 51.6011, 57.3567



47.6729, 51.6011, 47.4777

Complementary

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



46.9855, 51.6011, 64.6104



48.7770, 48.8256, 45.3827

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.



49.4528, 51.6011, 46.8093



46.9855, 51.6011, 64.6104



52.3284, 51.6011, 52.3097

Square

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



46.9855, 51.6011, 64.6104



51.9052, 51.6011, 62.3834



51.1644, 51.6011, 48.5256



46.2924, 51.6011, 50.4111

Rectangle

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



46.9855, 51.6011, 64.6104



49.8563, 51.6011, 66.5090



51.1644, 51.6011, 48.5256



48.2431, 51.6011, 46.9885

Sweetspot

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



46.9870, 51.6032, 64.6116



89.2939, 95.2217, 108.2811



46.7187, 55.1768, 51.8512



18.9451, 20.2412, 23.1584



0.0000, 0.0000, 0.0000



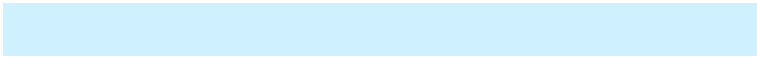
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9870, 51.6032, 64.6116



74.9114, 82.9303, 106.6666



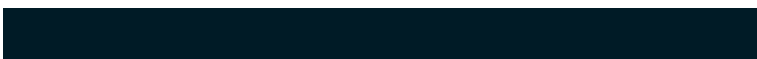
43.5357, 44.7006, 63.4611



11.2452, 12.1309, 14.3192



13.0519, 15.1277, 38.1883



0.7381, 0.9100, 1.9917

Inverse Universe

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



49.2036, 45.8595, 57.2997



79.2200, 71.9783, 92.4066



52.3107, 55.8931, 46.5606



11.5372, 11.3436, 13.3632



18.7989, 9.3301, 17.1914



1.0025, 0.4944, 1.0591

Previews

White Background



This preview shows how the XYZ color 46.9855, 51.6011, 64.6104 looks on a white background.

Color Contrast Check

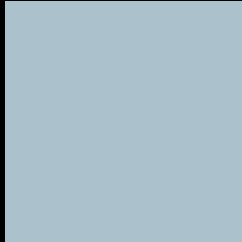
Large Text (above 18pt) WCAG AA × Fail

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 46.9855, 51.6011, 64.6104 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

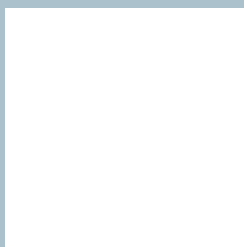
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9855, 51.6011, 64.6104

Background



This preview shows how black text looks on a background with the XYZ color 46.9855, 51.6011, 64.6104.



This preview shows how white text looks on a background with the XYZ color 46.9855, 51.6011,

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

46.9855, 51.6011, 64.6104

Protanopia

49.9754, 51.5594, 62.5763

Deuteranopia

52.5769, 51.5717, 65.5757



Tritanopia

47.5918, 51.5140, 67.7564

Trichromacy



Original Color

46.9855, 51.6011, 64.6104

Protanomaly

48.8199, 51.5932, 63.2625

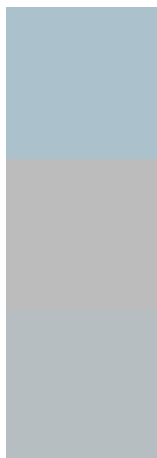
Deuteranomaly

50.2379, 51.3214, 65.0158

Tritanomaly

47.3457, 51.4156, 66.4603

Monochromacy



Original Color

46.9855, 51.6011, 64.6104

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4425, 50.6670, 58.3182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9855, 51.6011, 64.6104 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(171, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.9855, 51.6011, 64.6104 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(171, 194, 204) }
```


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

```
.border{ border-color:rgb(171, 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(171, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(171, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9855, 51.6011, 64.6104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 194, 204) }
```

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

```
.background{ background-color: rgb(171,  
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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