

Converting Colors

XYZ(46.4120, 51.4701, 51.2610)

Have a look what the booklet for
XYZ(46.4120, 51.4701, 51.2610)
contains.

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Color

**XYZ(46.4547, 51.6231,
51.2319)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C2B5
RGB	180, 194, 181
RGB Percent	71%, 76%, 71%
CMY	0.2941, 0.2392, 0.2902
CMYK	0.07, 0.00, 0.07, 0.24
HSL	124°, 10%, 73%
HSV	124°, 7%, 76%
XYZ	46.4547, 51.6231, 51.2319
YIQ	188.3320, -4.1710, -7.0110

Conversions

Conversions Part 2

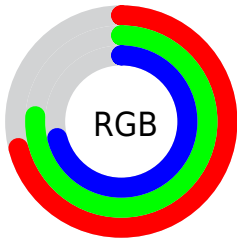
Format	Color
RYB	180, 193, 194
Decimal	11846325
CIELab	77.05, -7.25, 4.88
CIELCh	77, 8.738, 146.029
Yxy	51.6231, 0.3111, 0.3457
Android (android.graphics.Color)	4290036405 (0xFFB4C2B5)
YUV	188.3320, -3.6147, -7.3072
Hunter-Lab	71.8492, -10.3255, 8.0179

Details

The XYZ color **46.4547, 51.6231, 51.2319** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1970, 47.9634, 57.1723**, and the grayscale version is **48.0116, 50.5119, 55.0075**.

A 20% lighter version of the original color is **84.0637, 92.3185, 93.5094**, and **22.0268, 24.8267, 24.0532** is the 20% darker color. If you saturate the color by 10%, you get **40.5201, 48.7651, 41.9210**, and if you desaturate by 10%, it is **53.2634, 54.9070, 61.8336**.

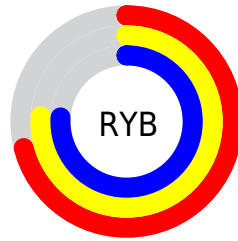
Distribution



Red (71%)

Green (76%)

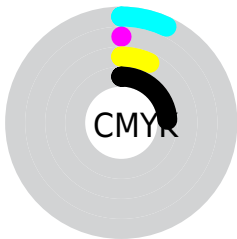
Blue (71%)



Red (71%)

Yellow (76%)

Blue (76%)

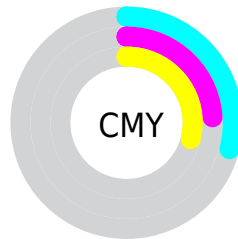


Cyan (7%)

Magenta (0%)

Yellow (7%)

Black (24%)



Cyan (29%)

Magenta (24%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4547, 51.6231, 51.2319 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 46.4547, 51.6231, 51.2319 by changing the saturation by 10% instead.

■ 46.4547, 51.6231,
51.2319

■ 46.4547, 51.6231,
51.2319

363.3191,
392.9798, 408.3363

■ 32.8109, 36.7047,
36.0152

■ 84.1228, 92.5752,
93.4125

■ 22.1402, 24.9790,
24.1561

108.8778,
119.3776, 121.2134

■ 14.0771, 16.0614,
15.2362

138.0673,
150.9103, 154.0462

■ 8.2564, 9.5676,
8.8369

172.0566,
187.5575, 192.3293

■ 4.3126, 5.1132,
4.5396

211.2111,
229.7037, 236.4814

■ 1.8805, 2.3138,
1.9258

255.8961,

■ 0.5654, 0.7810,

277.7332, 286.9209

0.5091

306.4769,
332.0304, 344.0663

■ 0.0000, 0.0000,
0.0000

■ 46.4547, 51.6231,
51.2319

■ 46.4547, 51.6231,
51.2319

■ 40.5201, 48.7651,
41.9210

■ 53.2634, 54.9070,
61.8336

■ 35.4201, 46.3094,
33.8484

■ 60.9752, 58.6264,
73.7691

■ 31.1185, 44.2398,
26.9630

■ 69.6228, 62.7987,
87.0839

■ 27.5749, 42.5367,
21.2087

■ 78.2721, 66.9413,
101.7748

■ 24.7452, 41.1786,
16.5252

■ 78.5828, 67.0656,
103.4109

■ 22.5808, 40.1421,
12.8462

■ 21.0272, 39.4003,
10.0984

■ 20.0208, 38.9225,
8.1982

■ 19.4768, 38.6670,
7.0471

Harmonies

Analogous

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



47.6725, 51.6231, 48.3541



46.4547, 51.6231, 51.2319



45.9364, 51.6231, 55.5752

Triad

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



46.4547, 51.6231, 51.2319



48.8445, 51.6231, 65.8768



52.0043, 51.6231, 52.2745

Complementary

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



46.4547, 51.6231, 51.2319



48.1970, 47.9634, 57.1723

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.



52.3351, 51.6231, 56.8472



46.4547, 51.6231, 51.2319



50.4868, 51.6231, 64.8711

Square

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



46.4547, 51.6231, 51.2319



47.2962, 51.6231, 64.1738



51.7738, 51.6231, 61.4980



50.8799, 51.6231, 48.9316

Rectangle

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



46.4547, 51.6231, 51.2319



46.0484, 51.6231, 58.7828



51.7738, 51.6231, 61.4980



52.2131, 51.6231, 53.7110

Sweetspot

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



46.4561, 51.6253, 51.2330



90.3575, 96.5135, 102.4798



49.5416, 53.2277, 50.8436



19.8144, 21.1485, 22.4841



0.0000, 0.0000, 0.0000



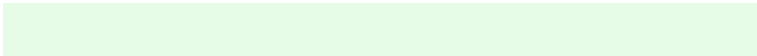
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4561, 51.6253, 51.2330



81.9719, 92.4715, 89.3908



47.1857, 51.9172, 55.0751



9.9730, 11.2702, 10.8610



12.7470, 25.3929, 4.5607



0.5610, 1.1012, 0.2510

Inverse Universe

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



48.1970, 47.9634, 57.1723



85.9150, 84.1769, 102.8436



47.4411, 47.6611, 53.1922



10.4652, 10.2347, 12.5405



20.0664, 9.7163, 29.3253



0.8765, 0.4236, 1.3169

Previews

White Background



This preview shows how the XYZ color 46.4547, 51.6231, 51.2319 looks on a white background.

Color Contrast Check

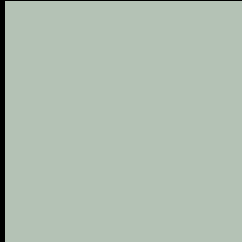
Large Text (above 18pt) WCAG AA × Fail

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 46.4547, 51.6231, 51.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

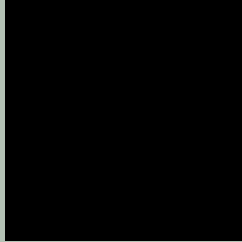
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4547, 51.6231, 51.2319

Background



This preview shows how black text looks on a background with the XYZ color 46.4547, 51.6231, 51.2319.



This preview shows how white text looks on a background with the XYZ color 46.4547, 51.6231,

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

46.4547, 51.6231, 51.2319

Protanopia

48.9984, 51.3453, 49.4476

Deuteranopia

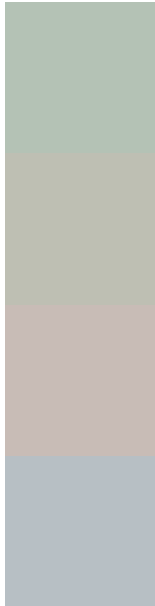
52.5517, 51.5488, 51.9799



Tritanopia

49.2001, 51.4250, 65.0905

Trichromacy



Original Color

46.4547, 51.6231, 51.2319

Protanomaly

48.0027, 51.4634, 50.0512

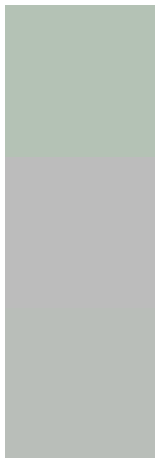
Deuteranomaly

50.2461, 51.6232, 51.5720

Tritanomaly

48.1230, 51.3144, 59.5929

Monochromacy



Original Color

46.4547, 51.6231, 51.2319

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1780, 50.6440, 53.1877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4547, 51.6231, 51.2319 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(180, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 194, 181)  
}
```

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(180, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 194, 181) }
```

Border

The CSS property to change the border of an element to XYZ 46.4547, 51.6231, 51.2319 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(180, 194, 181) }
```


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

```
.border{ border-color:rgb(180, 194, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 194, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 194,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4547, 51.6231, 51.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 194, 181) }
```

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

```
.background{ background-color: rgb(180,  
194, 181) }
```

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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