

Converting Colors

XYZ(46.4406, 51.2667, 58.3706)

Have a look what the booklet for
XYZ(46.4406, 51.2667, 58.3706)
contains.

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Color

**XYZ(46.2631, 51.0336,
58.4511)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC1C2
RGB	174, 193, 194
RGB Percent	68%, 76%, 76%
CMY	0.3176, 0.2431, 0.2392
CMYK	0.10, 0.01, 0.00, 0.24
HSL	183°, 14%, 72%
HSV	183°, 10%, 76%
XYZ	46.2631, 51.0336, 58.4511
YIQ	187.4330, -11.6450, -3.7170

Conversions

Conversions Part 2

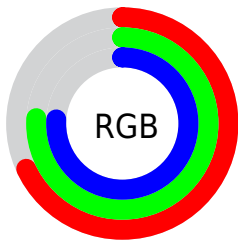
Format	Color
RYB	174, 184, 194
Decimal	11452866
CIELab	76.70, -6.26, -2.72
CIElCh	77, 6.821, 203.490
Yxy	51.0336, 0.2970, 0.3277
Android (android.graphics.Color)	4289642946 (0xFFAEC1C2)
YUV	187.4330, 3.2375, -11.7807
Hunter-Lab	71.4378, -9.4196, 1.4948

Details

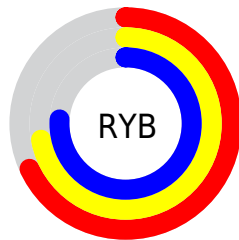
The XYZ color **46.2631, 51.0336, 58.4511** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2184, 45.1851, 46.3835**, and the grayscale version is **47.4668, 49.9387, 54.3833**.

A 20% lighter version of the original color is **83.7641, 91.4765, 103.6844**, and **21.9969, 24.7146, 28.4220** is the 20% darker color. If you saturate the color by 10%, you get **42.0367, 48.5398, 58.1933**, and if you desaturate by 10%, it is **51.1181, 53.8563, 58.7409**.

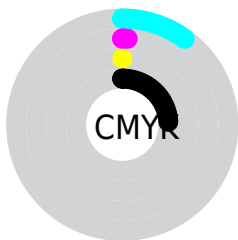
Distribution



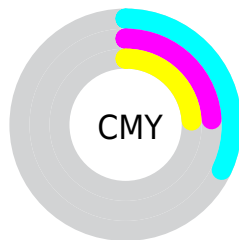
- Red (68%)
- Green (76%)
- Blue (76%)



- Red (68%)
- Yellow (72%)
- Blue (76%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (32%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2631, 51.0336, 58.4511 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 46.2631, 51.0336, 58.4511 by changing the saturation by 10% instead.

■ 46.2631, 51.0336,
58.4511

■ 46.2631, 51.0336,
58.4511

362.5636,
390.6943, 436.5098

■ 32.6590, 36.2353,
41.7543

■ 83.8381, 91.7044,
104.1007

■ 22.0233, 24.6160,
28.5848

108.5396,
118.3458, 133.8907

■ 13.9907, 15.7912,
18.5241

137.6711,
149.7037, 168.8821

■ 8.1959, 9.3765,
11.1536

171.5977,
186.1625, 209.4934

■ 4.2734, 4.9876,
6.0548

210.6849,
228.1065, 256.1434

■ 1.8579, 2.2400,
2.8091

255.2981,

■ 0.5522, 0.7417,

275.9202, 309.2504

0.9980

305.8025,
329.9880, 369.2330

■ 0.0000, 0.0000,
0.0000

■ 46.2631, 51.0336,
58.4511

■ 46.2631, 51.0336,
58.4511

■ 42.0367, 48.5398,
58.1933

■ 51.1181, 53.8563,
58.7409

■ 38.4078, 46.3547,
57.9628

■ 56.6223, 57.0144,
59.0603

■ 35.3494, 44.4657,
57.7594

■ 62.8008, 60.5222,
59.4118

■ 32.8306, 42.8570,
57.5816

■ 69.6762, 64.3914,
59.7962

■ 30.8175, 41.5111,
57.4279

■ 71.1354, 65.4705,
59.9276

■ 29.2724, 40.4085,
57.2965

■ 71.3570, 65.9136,
60.0014

■ 28.1526, 39.5271,
57.1855

■ 71.5800, 66.3596,
60.0758

■ 27.4071, 38.8408,
57.0923

■ 71.8044, 66.8085,
60.1506

■ 26.9465, 38.3127,
57.0146

■ 72.0303, 67.2601,
60.2259

Harmonies

Analogous

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



46.0794, 51.0336, 54.7642



46.2631, 51.0336, 58.4511



47.0429, 51.0336, 61.4835

Triad

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



46.2631, 51.0336, 58.4511



50.5301, 51.0336, 59.9082



48.7881, 51.0336, 48.7939

Complementary

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



46.2631, 51.0336, 58.4511



45.2184, 45.1851, 46.3835

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.



49.9990, 51.0336, 50.0426



46.2631, 51.0336, 58.4511



51.0161, 51.0336, 56.3775

Square

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



46.2631, 51.0336, 58.4511



49.5028, 51.0336, 62.3505



50.8201, 51.0336, 52.7792



47.5225, 51.0336, 49.2941

Rectangle

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



46.2631, 51.0336, 58.4511



47.8034, 51.0336, 62.6709



50.8201, 51.0336, 52.7792



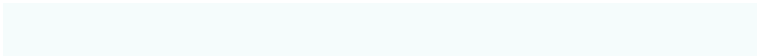
49.2153, 51.0336, 49.0211

Sweetspot

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



46.2646, 51.0357, 58.4522



90.0884, 96.1134, 106.2734



44.4533, 50.6652, 47.8232



19.5674, 20.9545, 23.2633



0.0000, 0.0000, 0.0000



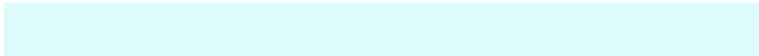
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2646, 51.0357, 58.4522



82.2924, 91.5677, 105.8068



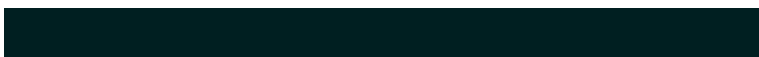
44.1963, 46.8992, 57.7628



10.3241, 11.3396, 12.9294



17.7346, 25.2256, 37.4909



0.7797, 1.1168, 1.6244

Inverse Universe

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



47.0110, 45.5927, 56.7770



83.8738, 80.0662, 102.2505



47.1682, 49.0848, 47.0335



10.4749, 10.2386, 12.5914



20.3476, 9.8288, 30.8060



0.8859, 0.4274, 1.3667

Previews

White Background



This preview shows how the XYZ color 46.2631, 51.0336, 58.4511 looks on a white background.

Color Contrast Check

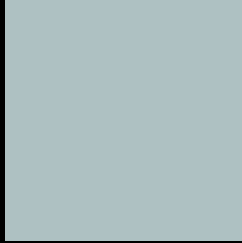
Large Text (above 18pt) WCAG AA × Fail

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 46.2631, 51.0336, 58.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

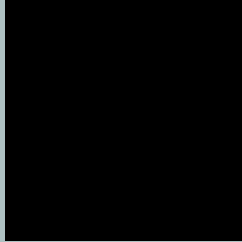
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

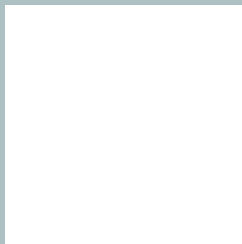
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2631, 51.0336, 58.4511

Background



This preview shows how black text looks on a background with the XYZ color 46.2631, 51.0336, 58.4511.

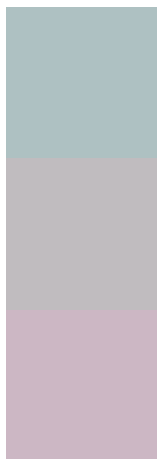


This preview shows how white text looks on a background with the XYZ color 46.2631, 51.0336,

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

46.2631, 51.0336, 58.4511

Protanopia

49.1254, 50.9345, 56.5324

Deuteranopia

51.7991, 50.6899, 59.2786



Tritanopia

47.6759, 50.9479, 65.7137

Trichromacy



Original Color

46.2631, 51.0336, 58.4511

Protanomaly

47.9355, 50.9470, 57.1765

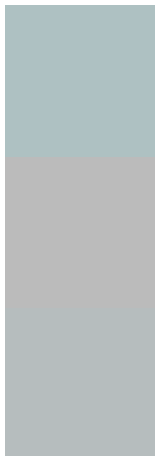
Deuteranomaly

49.6130, 50.8182, 58.8238

Tritanomaly

47.1895, 51.0775, 63.2489

Monochromacy



Original Color

46.2631, 51.0336, 58.4511

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7833, 50.0580, 55.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2631, 51.0336, 58.4511 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(174, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 194)  
}
```

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(174, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 194) }
```

Border

The CSS property to change the border of an element to XYZ 46.2631, 51.0336, 58.4511 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(174, 193, 194) }
```


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

```
.border{ border-color:rgb(174, 193, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 193, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2631, 51.0336, 58.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 193, 194) }
```

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

```
.background{ background-color: rgb(174,  
193, 194) }
```

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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