

Converting Colors

XYZ(46.8137, 51.4048, 61.1682)

Have a look what the booklet for
XYZ(46.8137, 51.4048, 61.1682)
contains.

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Color

**XYZ(46.7186, 51.2158,
60.8494)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC1C6
RGB	174, 193, 198
RGB Percent	68%, 76%, 78%
CMY	0.3176, 0.2431, 0.2235
CMYK	0.12, 0.03, 0.00, 0.22
HSL	192°, 17%, 73%
HSV	192°, 12%, 78%
XYZ	46.7186, 51.2158, 60.8494
YIQ	187.8890, -12.9290, -2.4730

Conversions

Conversions Part 2

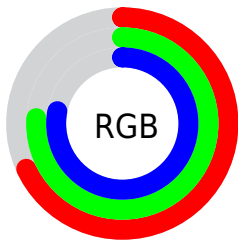
Format	Color
RYB	174, 185, 198
Decimal	11452870
CIELab	76.81, -5.44, -4.72
CIELCh	77, 7.207, 220.938
Yxy	51.2158, 0.2942, 0.3226
Android (android.graphics.Color)	4289642950 (0xFFAEC1C6)
YUV	187.8890, 4.9847, -12.1807
Hunter-Lab	71.5652, -8.7123, -0.3166

Details

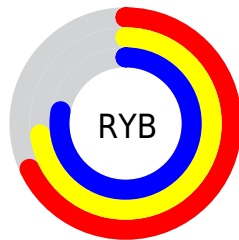
The XYZ color **46.7186, 51.2158, 60.8494** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0492, 47.3019, 46.6959**, and the grayscale version is **47.7160, 50.2010, 54.6689**.

A 20% lighter version of the original color is **84.5588, 91.7944, 107.8691**, and **22.2973, 24.8347, 30.0039** is the 20% darker color. If you saturate the color by 10%, you get **41.7302, 47.3113, 60.3595**, and if you desaturate by 10%, it is **52.3857, 55.5107, 61.3805**.

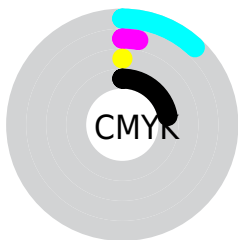
Distribution



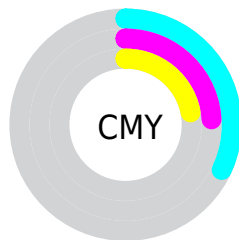
- Red (68%)
- Green (76%)
- Blue (78%)



- Red (68%)
- Yellow (73%)
- Blue (78%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (32%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7186, 51.2158, 60.8494 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 46.7186, 51.2158, 60.8494 by changing the saturation by 10% instead.

■ 46.7186, 51.2158,
60.8494

■ 46.7186, 51.2158,
60.8494

364.3579,
391.4016, 445.6129

■ 33.0203, 36.3804,
43.6739

■ 84.5147, 91.9737,
107.6163

■ 22.3013, 24.7281,
30.0789

109.3432,
118.6649, 138.0447

■ 14.1963, 15.8746,
19.6459

138.6125,
150.0769, 173.7278

■ 8.3399, 9.4355,
11.9564

172.6879,
186.5940, 215.0841

■ 4.3668, 5.0263,
6.5918

211.9348,
228.6007, 262.5323

■ 1.9117, 2.2627,
3.1336

256.7185,

■ 0.5836, 0.7539,

276.4812, 316.4908

1.1633

307.4044,
330.6201, 377.3781

■ 0.0000, 0.0000,
0.0000

■ 46.7186, 51.2158,
60.8494

■ 46.7186, 51.2158,
60.8494

■ 41.7302, 47.3113,
60.3595

■ 52.3857, 55.5107,
61.3805

■ 37.3873, 43.7756,
59.9059

■ 58.7537, 60.2035,
61.9507

■ 33.6610, 40.5949,
59.4884

■ 65.8496, 65.3099,
62.5623

■ 30.5180, 37.7517,
59.1052

■ 73.6972, 70.8424,
63.2166

■ 27.9218, 35.2269,
58.7547

■ 75.3833, 73.2375,
63.5900

■ 25.8318, 32.9992,
58.4349

■ 76.4376, 75.3460,
63.9414

■ 24.2013, 31.0442,
58.1435

■ 77.5184, 77.5077,
64.3017

■ 22.9746, 29.3330,
57.8778

■ 78.6260, 79.7229,
64.6709

■ 22.2118, 28.1144,
57.6828

■ 79.7606, 81.9920,
65.0491

Harmonies

Analogous

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



46.1414, 51.2158, 57.2072



46.7186, 51.2158, 60.8494



47.8249, 51.2158, 63.1942

Triad

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



46.7186, 51.2158, 60.8494



51.2083, 51.2158, 58.2624



48.1816, 51.2158, 48.6899

Complementary

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



46.7186, 51.2158, 60.8494



47.0492, 47.3019, 46.6959

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.



49.5434, 51.2158, 48.9427



46.7186, 51.2158, 60.8494



51.3081, 51.2158, 54.3478

Square

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



46.7186, 51.2158, 60.8494



50.4234, 51.2158, 61.6529



50.6937, 51.2158, 50.9726



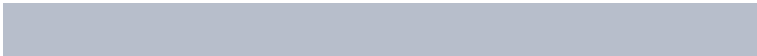
46.9755, 51.2158, 50.2650

Rectangle

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



46.7186, 51.2158, 60.8494



48.7222, 51.2158, 63.6432



50.6937, 51.2158, 50.9726



48.6360, 51.2158, 48.5659

Sweetspot

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



46.7201, 51.2179, 60.8505



90.7226, 96.7689, 108.5044



45.7671, 52.6344, 50.2901



19.2491, 20.5852, 23.2088



0.0000, 0.0000, 0.0000



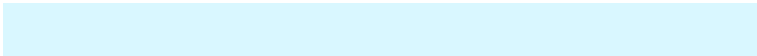
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7201, 51.2179, 60.8505



79.8626, 88.4766, 107.4762



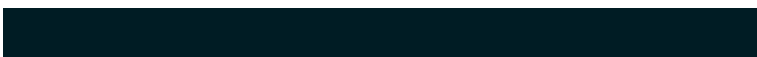
44.2141, 46.2061, 60.0152



10.7520, 11.6780, 13.6049



14.5078, 18.4095, 37.5331



0.7355, 0.9687, 1.7934

Inverse Universe

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



48.0516, 46.1293, 56.8257



82.7824, 77.4745, 98.6153



49.5168, 52.2371, 47.5184



10.9848, 10.7773, 12.9035



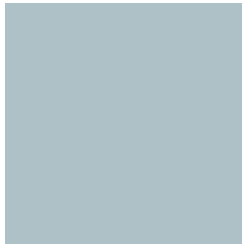
19.1222, 9.3984, 21.6511



0.9299, 0.4548, 1.1542

Previews

White Background



This preview shows how the XYZ color 46.7186, 51.2158, 60.8494 looks on a white background.

Color Contrast Check

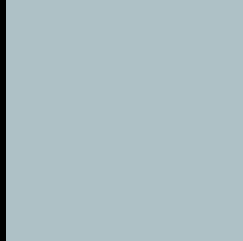
Large Text (above 18pt) WCAG AA × Fail

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 46.7186, 51.2158, 60.8494 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

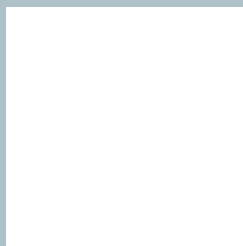
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7186, 51.2158, 60.8494

Background



This preview shows how black text looks on a background with the XYZ color 46.7186, 51.2158, 60.8494.



This preview shows how white text looks on a background with the XYZ color 46.7186, 51.2158,

60.8494.

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

46.7186, 51.2158, 60.8494

Protanopia

49.3194, 50.9829, 58.8710

Deuteranopia

52.1944, 51.1476, 61.7651



Tritanopia

48.0166, 51.4344, 66.4286

Trichromacy



Original Color

46.7186, 51.2158, 60.8494

Protanomaly

48.3848, 51.1267, 59.5428

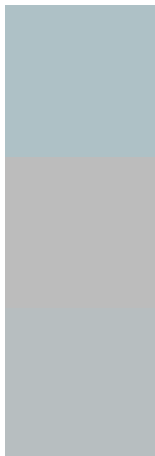
Deuteranomaly

49.8174, 50.8706, 61.2262

Tritanomaly

47.4279, 51.1729, 64.5044

Monochromacy



Original Color

46.7186, 51.2158, 60.8494

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4563, 50.7000, 57.1540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7186, 51.2158, 60.8494 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.7186, 51.2158, 60.8494 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, 198) }
```


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

```
.border{ border-color:rgb(174, 193, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7186, 51.2158, 60.8494 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, 198) }
```

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

```
.background{ background-color: rgb(174,  
193, 198) }
```

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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