

Converting Colors

XYZ(46.5973, 50.0444, 59.8337)

Have a look what the booklet for
XYZ(46.5973, 50.0444, 59.8337)
contains.

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Color

**XYZ(46.6230, 50.2052,
60.0566)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BEC5
RGB	177, 190, 197
RGB Percent	69%, 75%, 77%
CMY	0.3059, 0.2549, 0.2274
CMYK	0.10, 0.04, 0.00, 0.23
HSL	201°, 15%, 73%
HSV	201°, 10%, 77%
XYZ	46.6230, 50.2052, 60.0566
YIQ	186.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

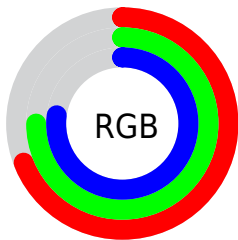
Format	Color
R_{YB}	177, 185, 197
Decimal	11648709
CIE _{Lab}	76.20, -3.06, -5.06
CIE _{LCh}	76, 5.918, 238.813
Yxy	50.2052, 0.2972, 0.3200
Android (android.graphics.Color)	4289838789 (0xFFB1BEC5)
YUV	186.9110, 4.9739, -8.6919
Hunter-Lab	70.8556, -6.5444, -0.6547

Details

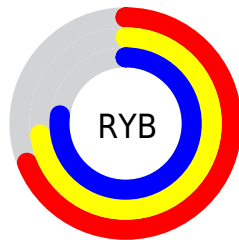
The XYZ color **46.6230, 50.2052, 60.0566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1026, 49.3256, 48.5815**, and the grayscale version is **47.1620, 49.6181, 54.0341**.

A 20% lighter version of the original color is **84.4494, 90.3909, 106.7622**, and **22.2158, 24.1596, 29.4790** is the 20% darker color. If you saturate the color by 10%, you get **40.9983, 45.1428, 59.3767**, and if you desaturate by 10%, it is **52.9690, 55.7470, 60.7926**.

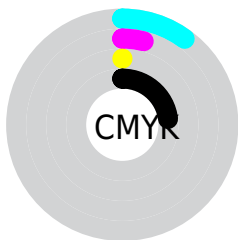
Distribution



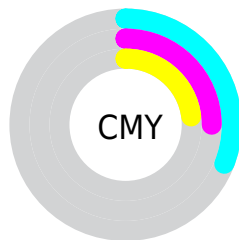
- Red (69%)
- Green (75%)
- Blue (77%)



- Red (69%)
- Yellow (73%)
- Blue (77%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6230, 50.2052, 60.0566 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 46.6230, 50.2052, 60.0566 by changing the saturation by 10% instead.

■ 46.6230, 50.2052,
60.0566

■ 46.6230, 50.2052,
60.0566

363.9818,
387.4679, 442.6168

■ 32.9444, 35.5765,
43.0387

■ 84.3728, 90.4788,
106.4559

■ 22.2429, 24.1073,
29.5838

109.1747,
116.8925, 136.6744

■ 14.1531, 15.4132,
19.2735

138.4151,
148.0033, 172.1302

■ 8.3096, 9.1099,
11.6893

172.4593,
184.1957, 213.2417

■ 4.3472, 4.8129,
6.4125

211.6727,
225.8539, 260.4276

■ 1.9004, 2.1379,
3.0247

256.4207,

■ 0.5770, 0.6858,

273.3624, 314.1064

1.1073

307.0686,
327.1056, 374.6966

■ 0.0000, 0.0000,
0.0000

■ 46.6230, 50.2052,
60.0566

■ 46.6230, 50.2052,
60.0566

■ 40.9983, 45.1428,
59.3767

■ 52.9690, 55.7470,
60.7926

■ 36.0620, 40.5372,
58.7479

■ 60.0589, 61.7771,
61.5828

■ 31.7848, 36.3735,
58.1697

■ 67.9196, 68.3122,
62.4299

■ 28.1339, 32.6329,
57.6401

■ 76.2793, 75.2136,
63.3214

■ 25.0730, 29.2955,
57.1572

■ 78.0995, 78.8539,
63.9281

■ 22.5620, 26.3389,
56.7189

■ 79.9948, 82.6445,
64.5599

■ 20.5555, 23.7381,
56.3226

■ 81.9662, 86.5872,
65.2170

■ 18.9996, 21.4637,
55.9656

■ 84.0144, 90.6836,
65.8998

■ 17.8072, 19.4894,
55.6474

■ 86.1403, 94.9354,
66.6084

Harmonies

Analogous

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



45.8747, 50.2052, 57.6608



46.6230, 50.2052, 60.0566



47.6744, 50.2052, 60.9996

Triad

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



46.6230, 50.2052, 60.0566



49.8820, 50.2052, 54.7915



46.6984, 50.2052, 49.4876

Complementary

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



46.6230, 50.2052, 60.0566



48.1026, 49.3256, 48.5815

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.



47.7627, 50.2052, 48.7847



46.6230, 50.2052, 60.0566



49.6111, 50.2052, 51.7746

Square

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



46.6230, 50.2052, 60.0566



49.5658, 50.2052, 57.8881



48.8311, 50.2052, 49.6060



45.9178, 50.2052, 51.5636

Rectangle

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



46.6230, 50.2052, 60.0566



48.4094, 50.2052, 60.6508



48.8311, 50.2052, 49.6060



47.0343, 50.2052, 49.0865

Sweetspot

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



46.6245, 50.2073, 60.0577



91.4434, 96.8820, 108.4883



46.7155, 52.7272, 52.8806



19.3708, 20.5613, 23.1977



0.0000, 0.0000, 0.0000



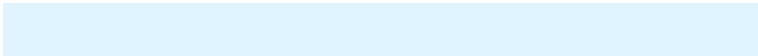
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6245, 50.2073, 60.0577



81.3538, 88.0096, 107.3075



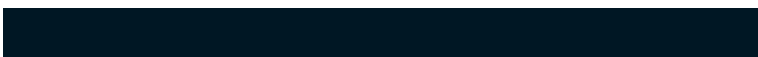
44.5991, 46.1567, 59.3826



10.6223, 11.4188, 13.5617



11.7932, 12.9803, 36.6282



0.6244, 0.7467, 1.7564

Inverse Universe

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



48.0436, 47.0335, 55.2637



84.3771, 81.3361, 97.0744



50.1803, 53.4809, 49.2741



10.9194, 10.7511, 12.5589



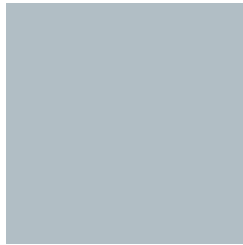
17.7520, 8.8504, 14.4358



0.8739, 0.4324, 0.8591

Previews

White Background



This preview shows how the XYZ color 46.6230, 50.2052, 60.0566 looks on a white background.

Color Contrast Check

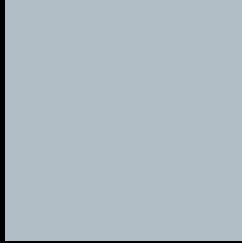
Large Text (above 18pt) WCAG AA × Fail

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 46.6230, 50.2052, 60.0566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

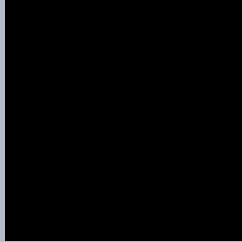
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

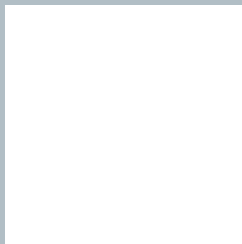
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6230, 50.2052, 60.0566

Background



This preview shows how black text looks on a background with the XYZ color 46.6230, 50.2052, 60.0566.



This preview shows how white text looks on a background with the XYZ color 46.6230, 50.2052,

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

46.6230, 50.2052, 60.0566

Protanopia

48.6069, 50.2996, 58.7767

Deuteranopia

51.1241, 49.9969, 60.9887



Tritanopia

47.4568, 50.2198, 64.3189

Trichromacy



Original Color

46.6230, 50.2052, 60.0566

Protanomaly

47.9546, 50.2662, 59.3994

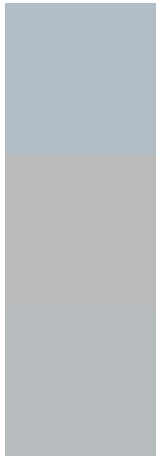
Deuteranomaly

49.2802, 49.9816, 60.4761

Tritanomaly

47.1003, 50.0772, 62.4418

Monochromacy



Original Color

46.6230, 50.2052, 60.0566

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9156, 49.7953, 56.4290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6230, 50.2052, 60.0566 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(177, 190, 197)` looks like.

```
.text, #text, p{  
    color:rgb(177, 190, 197)  
}
```

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(177, 190, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 190, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.6230, 50.2052, 60.0566 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(177, 190, 197) }
```


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

```
.border{ border-color:rgb(177, 190, 197) }
```

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

Here you see how a box with a 4 pixel rgb(177, 190, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 190, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 190, 197);  
box-shadow:4px 4px 4px 4px rgb(177, 190,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6230, 50.2052, 60.0566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 190, 197) }
```

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

```
.background{ background-color: rgb(177,  
190, 197) }
```

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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