

Converting Colors

XYZ(46.2069, 48.2271, 60.0199)

Have a look what the booklet for
XYZ(46.2069, 48.2271, 60.0199)
contains.

XYZ(46.1559, 48.0615, 60.2702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1559, 48.0615,
60.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B8C6
RGB	180, 184, 198
RGB Percent	71%, 72%, 78%
CMY	0.2941, 0.2784, 0.2235
CMYK	0.09, 0.07, 0.00, 0.22
HSL	227°, 14%, 74%
HSV	227°, 9%, 78%
XYZ	46.1559, 48.0615, 60.2702
YIQ	184.4000, -6.8780, 3.5060

Conversions

Conversions Part 2

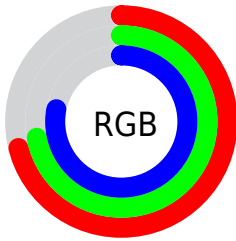
Format	Color
R _Y B	180, 183, 198
Decimal	11843782
CIE Lab	74.86, 1.35, -7.55
CIE LCh	75, 7.673, 280.153
Yxy	48.0615, 0.2988, 0.3111
Android (android.graphics.Color)	4290033862 (0xFFB4B8C6)
YUV	184.4000, 6.7048, -3.8588
Hunter-Lab	69.3264, -2.4801, -3.0164

Details

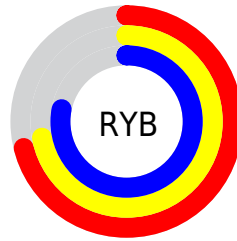
The XYZ color **46.1559, 48.0615, 60.2702** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.8188, 53.8842, 50.9031**, and the grayscale version is **45.7491, 48.1316, 52.4153**.

A 20% lighter version of the original color is **83.8022, 87.3730, 107.0556**, and **21.9027, 22.7582, 29.6239** is the 20% darker color. If you saturate the color by 10%, you get **38.8457, 39.8017, 59.0619**, and if you desaturate by 10%, it is **54.4755, 57.3611, 61.6275**.

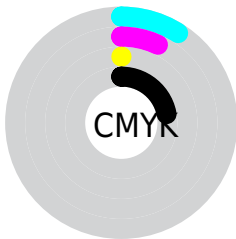
Distribution



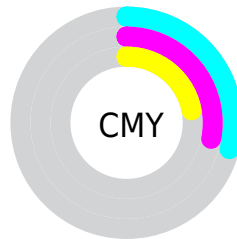
- Red (71%)
- Green (72%)
- Blue (78%)



- Red (71%)
- Yellow (72%)
- Blue (78%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1559, 48.0615, 60.2702 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 46.1559, 48.0615, 60.2702 by changing the saturation by 10% instead.

■ 46.1559, 48.0615,
60.2702

■ 46.1559, 48.0615,
60.2702

362.1405,
379.0358, 443.4253

■ 32.5740, 33.8756,
43.2097

■ 83.6787, 87.2960,
106.7687

■ 21.9580, 22.7980,
29.7171

108.3503,
113.1133, 137.0439

■ 13.9425, 14.4445,
19.3737

137.4492,
143.5766, 172.5610

■ 8.1621, 8.4304,
11.7611

171.3408,
179.0702, 213.7387

■ 4.2515, 4.3716,
6.4607

210.3903,
219.9785, 260.9954

■ 1.8454, 1.8835,
3.0539

254.9632,

■ 0.5448, 0.5384,

266.6860, 314.7497

1.1222

305.4248,
319.5770, 375.4201

■ 0.0000, 0.0000,
0.0000

■ 46.1559, 48.0615,
60.2702

■ 46.1559, 48.0615,
60.2702

■ 38.8457, 39.8017,
59.0619

■ 54.4755, 57.3611,
61.6275

■ 32.5019, 32.5391,
57.9945

■ 63.8371, 67.7290,
63.1353

■ 27.0843, 26.2369,
57.0636

■ 74.2768, 79.2003,
64.7992

■ 22.5486, 20.8541,
56.2636

■ 84.2650, 91.0009,
66.5505

■ 18.8463, 16.3461,
55.5886

■ 87.1932, 96.8573,
67.5266

■ 15.9246, 12.6648,
55.0321

■ 13.7237, 9.7570,
54.5868

■ 12.1749, 7.5626,
54.2449

■ 11.1707, 5.9988,
53.9959

Harmonies

Analogous

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



44.7755, 48.0615, 59.9014



46.1559, 48.0615, 60.2702



47.4342, 48.0615, 58.4305

Triad

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



46.1559, 48.0615, 60.2702



47.7640, 48.0615, 47.5276



43.2019, 48.0615, 49.7634

Complementary

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



46.1559, 48.0615, 60.2702



50.8188, 53.8842, 50.9031

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.



43.9716, 48.0615, 46.6711



46.1559, 48.0615, 60.2702



46.5986, 48.0615, 45.4265

Square

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



46.1559, 48.0615, 60.2702



48.3751, 48.0615, 50.9871



45.2094, 48.0615, 45.1212



43.0889, 48.0615, 53.6979

Rectangle

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



46.1559, 48.0615, 60.2702



48.0495, 48.0615, 56.2516



45.2094, 48.0615, 45.1212



43.3917, 48.0615, 48.5966

Sweetspot

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



46.1573, 48.0635, 60.2713



90.4228, 94.8409, 108.1481



48.7324, 53.9783, 58.7724



19.0956, 20.0110, 23.1060



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.



46.1573, 48.0635, 60.2713



78.9049, 81.9270, 106.2625



46.4745, 47.0100, 60.0512



10.2448, 10.6637, 13.4358



7.2686, 3.9311, 35.1200



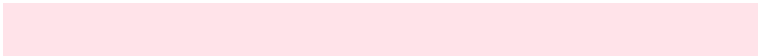
0.4000, 0.2979, 1.6816

Inverse Universe

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



48.2628, 48.1099, 52.0922



83.4302, 82.0648, 88.6744



50.4764, 55.0480, 51.1458



10.7288, 10.6749, 11.5554



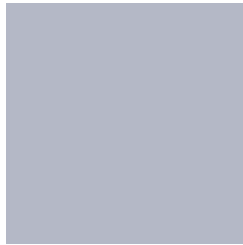
15.4682, 7.9368, 2.4093



0.7606, 0.3871, 0.2626

Previews

White Background



This preview shows how the XYZ color 46.1559, 48.0615, 60.2702 looks on a white background.

Color Contrast Check

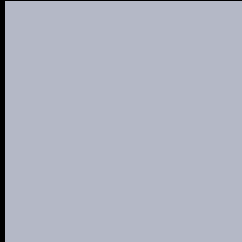
Large Text (above 18pt) WCAG AA × Fail

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 46.1559, 48.0615, 60.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

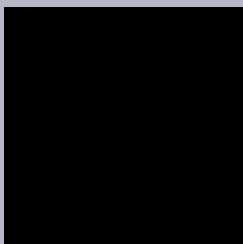
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

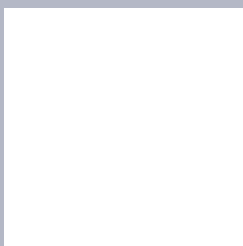
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1559, 48.0615, 60.2702

Background



This preview shows how black text looks on a background with the XYZ color 46.1559, 48.0615, 60.2702.

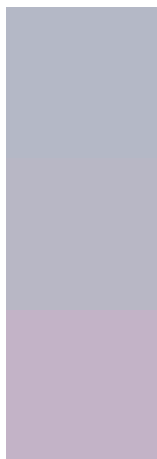


This preview shows how white text looks on a background with the XYZ color 46.1559, 48.0615,

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

46.1559, 48.0615, 60.2702

Protanopia

46.7787, 48.0885, 59.6398

Deuteranopia

48.9346, 47.9658, 60.7120



Tritanopia

46.1559, 48.0615, 60.2702

Trichromacy



Original Color

46.1559, 48.0615, 60.2702

Protanomaly

46.5400, 47.9655, 59.6287

Deuteranomaly

48.0679, 48.1184, 60.7872

Tritanomaly

46.1559, 48.0615, 60.2702

Monochromacy



Original Color

46.1559, 48.0615, 60.2702

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.8542, 48.0224, 54.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1559, 48.0615, 60.2702 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, 184, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 184, 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(180, 184, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 184, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.1559, 48.0615, 60.2702 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, 184, 198) }
```


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

```
.border{ border-color:rgb(180, 184, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 184, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 184,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1559, 48.0615, 60.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 184, 198) }
```

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

```
.background{ background-color: rgb(180,  
184, 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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