

Converting Colors

XYZ(46.7869, 46.8631, 60.5517)

Have a look what the booklet for
XYZ(46.7869, 46.8631, 60.5517)
contains.

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Color

**XYZ(46.6786, 46.8028,
60.6065)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB3C7
RGB	186, 179, 199
RGB Percent	73%, 70%, 78%
CMY	0.2706, 0.2980, 0.2196
CMYK	0.07, 0.10, 0.00, 0.22
HSL	261°, 15%, 74%
HSV	261°, 10%, 78%
XYZ	46.6786, 46.8028, 60.6065
YIQ	183.3730, -2.2480, 7.7040

Conversions

Conversions Part 2

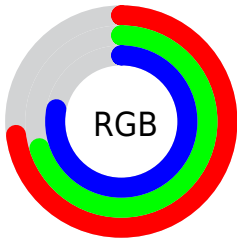
Format	Color
R _Y B	186, 179, 199
Decimal	12235719
CIE Lab	74.06, 6.28, -9.24
CIE LCh	74, 11.170, 304.209
Yxy	46.8028, 0.3029, 0.3037
Android (android.graphics.Color)	4290425799 (0xFFBAB3C7)
YUV	183.3730, 7.7041, 2.3039
Hunter-Lab	68.4126, 2.0704, -4.6360

Details

The XYZ color **46.6786, 46.8028, 60.6065** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.3001, 55.3093, 50.6747**, and the grayscale version is **45.1755, 47.5282, 51.7582**.

A 20% lighter version of the original color is **84.3763, 85.5139, 106.6665**, and **22.2446, 21.9526, 29.8529** is the 20% darker color. If you saturate the color by 10%, you get **39.9729, 37.8473, 59.2321**, and if you desaturate by 10%, it is **54.2472, 57.0601, 62.1882**.

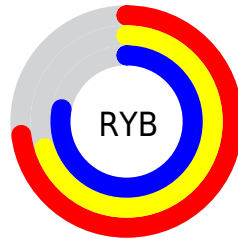
Distribution



Red (73%)

Green (70%)

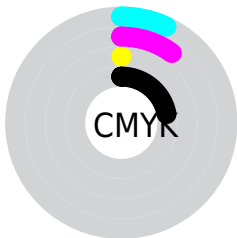
Blue (78%)



Red (73%)

Yellow (70%)

Blue (78%)

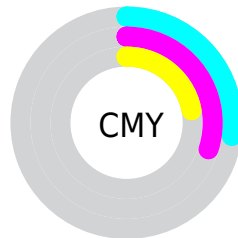


Cyan (7%)

Magenta (10%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (30%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6786, 46.8028, 60.6065 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 46.6786, 46.8028, 60.6065 by changing the saturation by 10% instead.

■ 46.6786, 46.8028,
60.6065

■ 46.6786, 46.8028,
60.6065

364.2005,
374.0268, 444.6963

■ 32.9885, 32.8798,
43.4792

■ 84.4553, 85.4192,
107.2609

■ 22.2769, 22.0344,
29.9271

109.2727,
110.8814, 137.6251

■ 14.1782, 13.8822,
19.5317

138.5299,
140.9587, 173.2387

■ 8.3272, 8.0387,
11.8744

172.5923,
176.0356, 214.5202

■ 4.3586, 4.1198,
6.5367

211.8252,
216.4965, 261.8882

■ 1.9069, 1.7408,
3.1001

256.5939,

■ 0.5809, 0.4498,

262.7257, 315.7612

1.1460

307.2639,
315.1077, 376.5577

■ 0.0000, 0.0000,
0.0000

■ 46.6786, 46.8028,
60.6065

■ 46.6786, 46.8028,
60.6065

■ 39.9729, 37.8473,
59.2321

■ 54.2472, 57.0601,
62.1882

■ 34.0940, 30.1347,
58.0532

■ 62.7049, 68.6632,
63.9820

■ 29.0090, 23.6104,
57.0619

■ 72.0817, 81.6611,
65.9967

■ 24.6813, 18.2132,
56.2483

■ 81.2444, 93.7772,
67.8524

■ 21.0712, 13.8764,
55.6014

■ 85.7393, 96.0944,
68.0627

■ 18.1349, 10.5260,
55.1095

■ 87.3090, 96.9036,
68.1362

■ 15.8234, 8.0780,
54.7588

■ 14.0796, 6.4337,
54.5333

■ 12.8084, 5.4121,
54.4032

Harmonies

Analogous

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



44.7671, 46.8028, 62.7333



46.6786, 46.8028, 60.6065



48.0324, 46.8028, 55.8963

Triad

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



46.6786, 46.8028, 60.6065



46.1763, 46.8028, 41.6861



40.7640, 46.8028, 51.7717

Complementary

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



46.6786, 46.8028, 60.6065



50.3001, 55.3093, 50.6747

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.



41.1161, 46.8028, 46.3238



46.6786, 46.8028, 60.6065



44.2034, 46.8028, 40.7609

Square

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



46.6786, 46.8028, 60.6065



47.7363, 46.8028, 45.0242



42.3606, 46.8028, 42.3961



41.3841, 46.8028, 57.3964

Rectangle

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



46.6786, 46.8028, 60.6065



48.4153, 46.8028, 52.0779



42.3606, 46.8028, 42.3961



40.7727, 46.8028, 49.8588

Sweetspot

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



46.6800, 46.8048, 60.6075



90.8519, 94.2848, 108.0181



47.8238, 51.5546, 61.4641



19.2111, 19.8617, 23.0711



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.



46.6800, 46.8048, 60.6075



79.1097, 78.4270, 105.5761



49.1087, 48.0568, 60.7212



10.4009, 10.4650, 13.3892



8.3222, 3.5245, 34.9860



0.4725, 0.2073, 1.6603

Inverse Universe

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



49.1893, 48.1901, 56.5805



84.3769, 81.3360, 97.0733



47.9319, 54.0885, 50.5639



10.9194, 10.7511, 12.5588



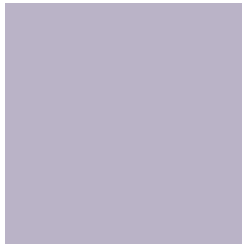
17.7516, 8.8502, 14.4338



0.8739, 0.4324, 0.8590

Previews

White Background



This preview shows how the XYZ color 46.6786, 46.8028, 60.6065 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 46.6786, 46.8028, 60.6065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

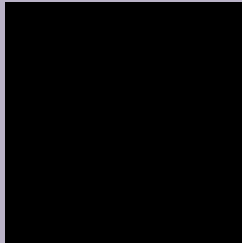
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6786, 46.8028, 60.6065

Background



This preview shows how black text looks on a background with the XYZ color 46.6786, 46.8028, 60.6065.



This preview shows how white text looks on a background with the XYZ color 46.6786, 46.8028,

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

46.6786, 46.8028, 60.6065

Protanopia

45.7716, 46.9212, 61.2879

Deuteranopia

47.7692, 46.7743, 60.5435



Tritanopia

46.0664, 46.8518, 57.6543

Trichromacy



Original Color

46.6786, 46.8028, 60.6065

Protanomaly

46.0380, 46.7577, 61.2423

Deuteranomaly

47.4644, 46.9115, 60.5860

Tritanomaly

46.2926, 46.9423, 58.8454

Monochromacy



Original Color

46.6786, 46.8028, 60.6065

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6804, 47.3204, 54.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6786, 46.8028, 60.6065 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(186, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(186, 179, 199)  
}
```

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(186, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 179, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.6786, 46.8028, 60.6065 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(186, 179, 199) }
```


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

```
.border{ border-color:rgb(186, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(186, 179,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6786, 46.8028, 60.6065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 179, 199) }
```

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

```
.background{ background-color: rgb(186,  
179, 199) }
```

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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