

Converting Colors

XYZ(46.6595, 40.6526, 79.8828)

Have a look what the booklet for
XYZ(46.6595, 40.6526, 79.8828)
contains.

XYZ(46.7595, 40.6060, 80.2362)	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(46.7595, 40.6060,
80.2362)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9EE6
RGB	186, 158, 230
RGB Percent	73%, 62%, 90%
CMY	0.2706, 0.3804, 0.0980
CMYK	0.19, 0.31, 0.00, 0.10
HSL	263°, 59%, 76%
HSV	263°, 31%, 90%
XYZ	46.7595, 40.6060, 80.2362
YIQ	174.5800, -6.4240, 28.3280

Conversions

Conversions Part 2

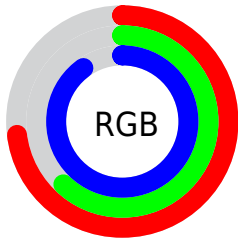
Format	Color
R_{YB}	186, 158, 230
Decimal	12230374
CIE _{Lab}	69.90, 24.46, -32.55
CIE _{LCh}	70, 40.712, 306.924
Yxy	40.6060, 0.2790, 0.2423
Android (android.graphics.Color)	4290420454 (0xFFBA9EE6)
YUV	174.5800, 27.3221, 10.0153
Hunter-Lab	63.7228, 19.4674, -30.0486

Details

The XYZ color **46.7595, 40.6060, 80.2362** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.8267, 71.6198, 43.0730**, and the grayscale version is **40.3977, 42.5015, 46.2842**.

A 20% lighter version of the original color is **78.8064, 73.8632, 104.7112**, and **22.3097, 18.2696, 42.3949** is the 20% darker color. If you saturate the color by 10%, you get **39.9491, 31.8068, 78.8974**, and if you desaturate by 10%, it is **54.6427, 51.0499, 81.8373**.

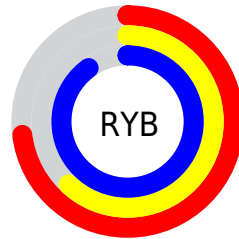
Distribution



Red (73%)

Green (62%)

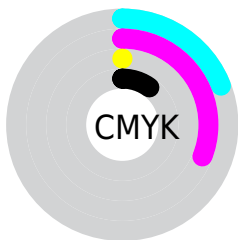
Blue (90%)



Red (73%)

Yellow (62%)

Blue (90%)

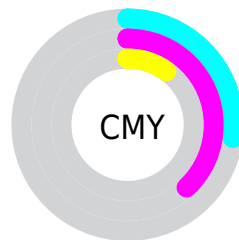


Cyan (19%)

Magenta (31%)

Yellow (0%)

Black (10%)



Cyan (27%)


Magenta (38%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7595, 40.6060, 80.2362 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 46.7595, 40.6060, 80.2362 by changing the saturation by 10% instead.


 46.7595, 40.6060,
80.2362


 46.7595, 40.6060,
80.2362

364.5187,
348.6712, 515.4562

 33.0527, 28.0113,
59.3854


 84.5754, 76.0854,
135.5122

 22.3263, 18.3342,
42.5014


 109.4153, 99.7390,
170.7744

 14.2148, 11.1902,
29.1656


138.6970,
127.8477, 211.6776

 8.3529, 6.1949,
18.9595

172.7857,
160.7958, 258.6403

 4.3753, 2.9640,
11.4645

212.0469,
198.9678, 312.0809

 1.9166, 1.1129,
6.2621

256.8459,

 0.5864, 0.0000,

242.7482, 372.4181

2.9337

307.5480,
292.5211, 440.0704

■ 0.0000, 0.0000,
1.0609

■ 0.0000, 0.0000,
0.0000

■ 46.7595, 40.6060,
80.2362

■ 46.7595, 40.6060,
80.2362

■ 39.9491, 31.8068,
78.8974

■ 54.6427, 51.0499,
81.8373

■ 34.1568, 24.5604,
77.8040

■ 63.6417, 63.2141,
83.7109

■ 29.3286, 18.7730,
76.9414

■ 73.8020, 77.1754,
85.8702

■ 25.4036, 14.3385,
76.2923

■ 85.1653, 93.0042,
88.3265

■ 22.3129, 11.1353,
75.8369

■ 91.2831, 98.4932,
89.0636

■ 19.9752, 9.0191,
75.5517

■ 18.4456, 7.8591,
75.4084

Harmonies

Analogous

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



40.1500, 40.6060, 91.1841



46.7595, 40.6060, 80.2362



51.5321, 40.6060, 60.0992

Triad

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



46.7595, 40.6060, 80.2362



43.8030, 40.6060, 18.4371



27.2857, 40.6060, 48.7558

Complementary

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



46.7595, 40.6060, 80.2362



58.8267, 71.6198, 43.0730

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.



28.0271, 40.6060, 31.4064



46.7595, 40.6060, 80.2362



37.0802, 40.6060, 16.9964

Square

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



46.7595, 40.6060, 80.2362



49.6934, 40.6060, 25.7269



31.4405, 40.6060, 21.0010



29.2855, 40.6060, 69.9338

Rectangle

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



46.7595, 40.6060, 80.2362



52.7546, 40.6060, 46.1986



31.4405, 40.6060, 21.0010



27.2266, 40.6060, 42.2852

Sweetspot

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



46.7609, 40.6077, 80.2371



83.1878, 83.6577, 106.3708



49.5994, 55.4127, 82.9452



17.4197, 17.3788, 22.6863



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.



46.7609, 40.6077, 80.2371



53.0025, 43.4145, 100.1941



56.5128, 45.6350, 80.6935



14.1102, 14.1591, 18.1336



10.5701, 4.5150, 42.6975



0.8826, 0.3860, 3.1600

Inverse Universe

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



55.5219, 45.5425, 61.7428



66.0496, 50.7741, 72.1812



50.2796, 67.2136, 42.6730



14.7452, 14.5153, 16.8586



21.2399, 10.6302, 15.4241



1.6148, 0.8036, 1.3779

Previews

White Background



This preview shows how the XYZ color 46.7595, 40.6060, 80.2362 looks on a white background.

Color Contrast Check

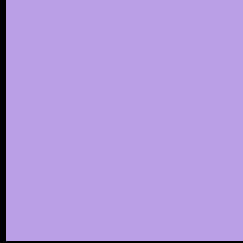
Large Text (above 18pt) WCAG AA × Fail

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 46.7595, 40.6060, 80.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

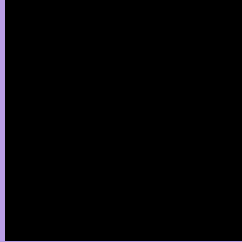
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7595, 40.6060, 80.2362

Background



This preview shows how black text looks on a background with the XYZ color 46.7595, 40.6060, 80.2362.



This preview shows how white text looks on a background with the XYZ color 46.7595, 40.6060,

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

46.7595, 40.6060, 80.2362

Protanopia

42.1983, 41.0330, 86.5850

Deuteranopia

41.7165, 40.6746, 79.0511



Tritanopia

40.4746, 40.6886, 49.4365

Trichromacy



Original Color

46.7595, 40.6060, 80.2362

Protanomaly

43.5548, 40.6950, 84.1566

Deuteranomaly

43.3547, 40.4236, 79.6462

Tritanomaly

42.4067, 40.3777, 59.5914

Monochromacy



Original Color

46.7595, 40.6060, 80.2362

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.6287, 41.8998, 57.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7595, 40.6060, 80.2362 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, 158, 230)` looks like.

```
.text, #text, p{  
    color:rgb(186, 158, 230)  
}
```

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, 158, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 158, 230) }
```

Border

The CSS property to change the border of an element to XYZ 46.7595, 40.6060, 80.2362 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, 158, 230) }
```


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

```
.border{ border-color:rgb(186, 158, 230) }
```

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

Here you see how a box with a 4 pixel rgb(186, 158, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 158, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 158, 230);  
box-shadow:4px 4px 4px 4px rgb(186, 158,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7595, 40.6060, 80.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 158, 230) }
```

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

```
.background{ background-color: rgb(186,  
158, 230) }
```

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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