

Converting Colors

XYZ(46.5612, 40.4557, 59.3907)

Have a look what the booklet for
XYZ(46.5612, 40.4557, 59.3907)
contains.

XYZ(46.5544, 40.4570, 59.3881)	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(46.5544, 40.4570,
59.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9CC7
RGB	202, 156, 199
RGB Percent	79%, 61%, 78%
CMY	0.2078, 0.3882, 0.2196
CMYK	0.00, 0.23, 0.01, 0.21
HSL	304°, 30%, 70%
HSV	304°, 23%, 79%
XYZ	46.5544, 40.4570, 59.3881
YIQ	174.6560, 13.6130, 23.1250

Conversions

Conversions Part 2

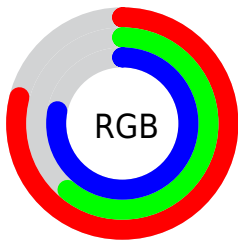
Format	Color
RYP	202, 156, 199
Decimal	13278407
CIELab	69.79, 24.33, -15.49
CIElCh	70, 28.845, 327.522
Yxy	40.4570, 0.3180, 0.2763
Android (android.graphics.Color)	4291468487 (0xFFCA9CC7)
YUV	174.6560, 12.0016, 23.9807
Hunter-Lab	63.6058, 19.3376, -10.8344

Details

The XYZ color **46.5544, 40.4570, 59.3881** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0905, 51.8135, 40.6385**, and the grayscale version is **40.5059, 42.6154, 46.4082**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **22.0938, 18.1480, 29.1265** is the 20% darker color. If you saturate the color by 10%, you get **43.2907, 34.1726, 57.5490**, and if you desaturate by 10%, it is **50.3856, 47.8728, 61.4238**.

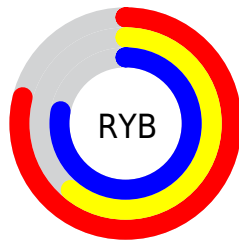
Distribution



Red (79%)

Green (61%)

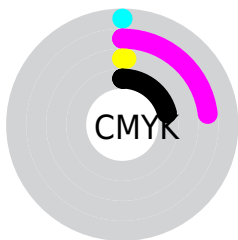
Blue (78%)



Red (79%)

Yellow (61%)

Blue (78%)

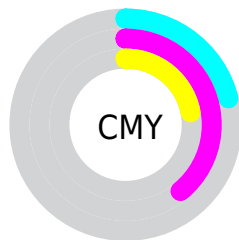


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (21%)



Cyan (21%)


Magenta (39%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5544, 40.4570, 59.3881 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 46.5544, 40.4570, 59.3881 by changing the saturation by 10% instead.

 46.5544, 40.4570,
59.3881

 46.5544, 40.4570,
59.3881


363.7117,
348.0460, 440.0805

 32.8900, 27.8950,
42.5036

 84.2709, 75.8589,
105.4762

 22.2010, 18.2466,
29.1673


 109.0537, 99.4677,
135.5168

 14.1221, 11.1271,
18.9607


138.2734,
127.5275, 170.7798

 8.2879, 6.1524,
11.4654

172.2952,
160.4227, 211.6839

 4.3331, 2.9380,
6.2627

211.4846,
198.5378, 258.6474

 1.8922, 1.0994,
2.9341

256.2069,

 0.5723, 0.0000,

242.2571, 312.0890

1.0611

306.8275,
291.9650, 372.4272

■ 0.0000, 0.0000,
0.0000

■ 46.5544, 40.4570,
59.3881

■ 46.5544, 40.4570,
59.3881

■ 43.2907, 34.1726,
57.5490

■ 50.3856, 47.8728,
61.4238

■ 40.5628, 28.9587,
55.8947

■ 54.8065, 56.4665,
63.6621

■ 38.3419, 24.7565,
54.4158

■ 59.8426, 66.2886,
66.1121

■ 36.5947, 21.4995,
53.1013

■ 65.5170, 77.3850,
68.7814

■ 35.2841, 19.1136,
51.9387

■ 71.2082, 88.5130,
71.4630

■ 34.3672, 17.5131,
50.9139

■ 71.3686, 88.5772,
72.3075

■ 33.7927, 16.5953,
50.0097

■ 71.5303, 88.6419,
73.1591

■ 33.5238, 16.2233,
49.4088

■ 71.6934, 88.7071,
74.0178

■ 71.8578, 88.7729,
74.8837

Harmonies

Analogous

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



42.7628, 40.4570, 71.0844



46.5544, 40.4570, 59.3881



48.1616, 40.4570, 45.1743

Triad

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



46.5544, 40.4570, 59.3881



38.8435, 40.4570, 22.9950



31.0126, 40.4570, 57.0641

Complementary

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



46.5544, 40.4570, 59.3881



41.0905, 51.8135, 40.6385

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.



30.1458, 40.4570, 42.9460



46.5544, 40.4570, 59.3881



34.4433, 40.4570, 24.9215

Square

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



46.5544, 40.4570, 59.3881



43.4901, 40.4570, 25.6914



31.3509, 40.4570, 31.6114



33.8210, 40.4570, 69.5626

Rectangle

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



46.5544, 40.4570, 59.3881



47.6878, 40.4570, 36.7387



31.3509, 40.4570, 31.6114



30.4950, 40.4570, 52.2739

Sweetspot

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



46.5556, 40.4588, 59.3890



89.4307, 89.0605, 106.1049



36.7106, 35.3428, 60.7650



19.0434, 18.8711, 22.6610



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.



46.5556, 40.4588, 59.3890



76.1658, 63.3751, 99.0796



44.1530, 39.4977, 46.7367



11.6547, 11.3906, 13.9824



21.5847, 10.4445, 31.8613



1.1233, 0.5427, 1.6951

Inverse Universe

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



46.5556, 40.4588, 59.3890



76.1658, 63.3751, 99.0796



43.2036, 52.6587, 51.7662



11.6547, 11.3906, 13.9824



21.5847, 10.4445, 31.8613



1.1233, 0.5427, 1.6951

Previews

White Background



This preview shows how the XYZ color 46.5544, 40.4570, 59.3881 looks on a white background.

Color Contrast Check

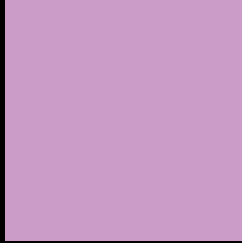
Large Text (above 18pt) WCAG AA × Fail

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 46.5544, 40.4570, 59.3881 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 46.5544, 40.4570, 59.3881

Background



This preview shows how black text looks on a background with the XYZ color 46.5544, 40.4570, 59.3881.



This preview shows how white text looks on a background with the XYZ color 46.5544, 40.4570,

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

46.5544, 40.4570, 59.3881

Protanopia

40.4734, 40.6114, 65.3801

Deuteranopia

41.5760, 40.7826, 58.5039



Tritanopia

43.5764, 40.5126, 45.0582

Trichromacy



Original Color

46.5544, 40.4570, 59.3881

Protanomaly

42.4264, 40.3058, 63.3013

Deuteranomaly

43.2978, 40.5859, 58.9779

Tritanomaly

44.3948, 40.3158, 49.6978

Monochromacy



Original Color

46.5544, 40.4570, 59.3881

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.6619, 41.7802, 51.1633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5544, 40.4570, 59.3881 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(202, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(202, 156, 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(202, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 156, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.5544, 40.4570, 59.3881 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(202, 156, 199) }
```


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

```
.border{ border-color:rgb(202, 156, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 156, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(202, 156,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5544, 40.4570, 59.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 156, 199) }
```

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

```
.background{ background-color: rgb(202,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor