

Converting Colors

XYZ(46.6634, 45.4138, 56.6009)

Have a look what the booklet for
XYZ(46.6634, 45.4138, 56.6009)
contains.

XYZ(46.7540, 45.4598, 56.7625)	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(46.7540, 45.4598,
56.7625)**

Conversions

Conversions Part 1

Format	Color
Hex	C1AEC1
RGB	193, 174, 193
RGB Percent	76%, 68%, 76%
CMY	0.2431, 0.3176, 0.2431
CMYK	0.00, 0.10, 0.00, 0.24
HSL	300°, 13%, 72%
HSV	300°, 10%, 76%
XYZ	46.7540, 45.4598, 56.7625
YIQ	181.8470, 5.2250, 9.9370

Conversions

Conversions Part 2

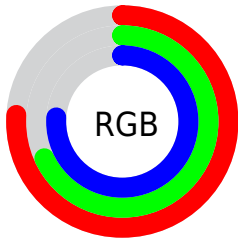
Format	Color
R_{YB}	193, 174, 193
Decimal	12693185
CIE _{Lab}	73.19, 10.24, -7.18
CIE _{LCh}	73, 12.509, 324.957
Yxy	45.4598, 0.3138, 0.3051
Android (android.graphics.Color)	4290883265 (0xFFC1AEC1)
YUV	181.8470, 5.4984, 9.7812
Hunter-Lab	67.4239, 5.7861, -2.7181

Details

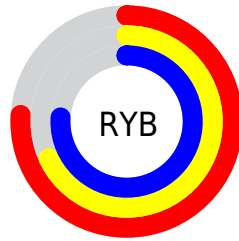
The XYZ color **46.7540, 45.4598, 56.7625** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.1672, 50.1958, 47.4076**, and the grayscale version is **44.3503, 46.6600, 50.8127**.

A 20% lighter version of the original color is **84.5425, 83.2022, 101.2263**, and **22.3406, 21.3015, 27.7451** is the 20% darker color. If you saturate the color by 10%, you get **43.2906, 38.5323, 55.6085**, and if you desaturate by 10%, it is **50.7558, 53.4627, 58.0970**.

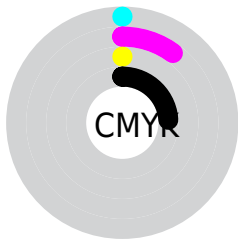
Distribution



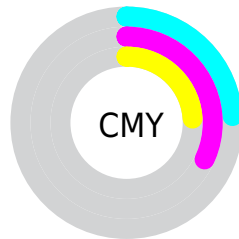
- Red (76%)
- Green (68%)
- Blue (76%)



- Red (76%)
- Yellow (68%)
- Blue (76%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (24%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7540, 45.4598, 56.7625 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 46.7540, 45.4598, 56.7625 by changing the saturation by 10% instead.

■ 46.7540, 45.4598,
56.7625

■ 46.7540, 45.4598,
56.7625

364.4971,
368.6326, 430.0276

■ 33.0484, 31.8197,
40.4065

■ 84.5673, 83.4100,
101.6155

■ 22.3229, 21.2239,
27.5394

109.4056,
108.4889, 130.9495

■ 14.2123, 13.2877,
17.7428

138.6856,
138.1495, 165.4466

■ 8.3512, 7.6270,
10.5979

172.7725,
172.7763, 205.5254

■ 4.3741, 3.8572,
5.6864

212.0318,
212.7536, 251.6043

■ 1.9159, 1.5940,
2.5897

256.8287,

■ 0.5861, 0.3536,

258.4658, 304.1020

0.8871

307.5287,
310.2973, 363.4369

■ 0.0000, 0.0000,
0.0000

■ 46.7540, 45.4598,
56.7625

■ 46.7540, 45.4598,
56.7625

■ 43.2906, 38.5323,
55.6085

■ 50.7558, 53.4627,
58.0970

■ 40.3389, 32.6289,
54.6245

■ 55.3134, 62.5778,
59.6163

■ 37.8758, 27.7027,
53.8035

■ 60.4483, 72.8476,
61.3280

■ 35.8750, 23.7011,
53.1365

■ 66.1797, 84.3105,
63.2385

■ 34.3076, 20.5664,
52.6140

■ 67.3785, 86.7080,
63.6382

■ 33.1417, 18.2346,
52.2253

■ 67.3785, 86.7080,
63.6382

■ 32.3407, 16.6326,
51.9582

■ 67.3785, 86.7080,
63.6383

■ 31.8615, 15.6743,
51.7984

■ 67.3785, 86.7080,
63.6383

■ 31.6216, 15.1945,
51.7184

■ 67.3785, 86.7080,
63.6384

Harmonies

Analogous

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



45.0123, 45.4598, 61.2764



46.7540, 45.4598, 56.7625



47.5471, 45.4598, 50.5674

Triad

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



46.7540, 45.4598, 56.7625



43.5800, 45.4598, 38.4145



39.4961, 45.4598, 54.7714

Complementary

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



46.7540, 45.4598, 56.7625



44.1672, 50.1958, 47.4076

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.



39.1416, 45.4598, 48.4438



46.7540, 45.4598, 56.7625



41.4529, 45.4598, 39.3348

Square

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



46.7540, 45.4598, 56.7625



45.6754, 45.4598, 40.2528



39.8463, 45.4598, 42.8813



40.8314, 45.4598, 60.0604

Rectangle

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



46.7540, 45.4598, 56.7625



47.4123, 45.4598, 46.4455



39.8463, 45.4598, 42.8813



39.2602, 45.4598, 52.6814

Sweetspot

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



46.7553, 45.4618, 56.7635



88.5004, 90.9458, 103.2501



42.2193, 43.1233, 56.5513



18.8593, 19.2570, 22.1083



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



46.7553, 45.4618, 56.7635



82.1982, 78.3416, 101.1493



45.7293, 45.0513, 51.3602



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3976



0.9086, 0.4365, 1.4862

Inverse Universe

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



46.7553, 45.4618, 56.7635



82.1982, 78.3416, 101.1493



45.1265, 50.5796, 52.4591



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3976



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 46.7540, 45.4598, 56.7625 looks on a white background.

Color Contrast Check

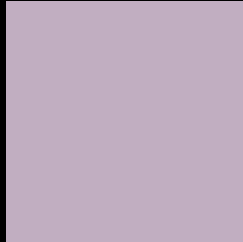
Large Text (above 18pt) WCAG AA × Fail

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 46.7540, 45.4598, 56.7625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

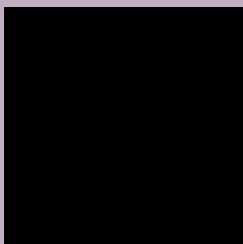
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

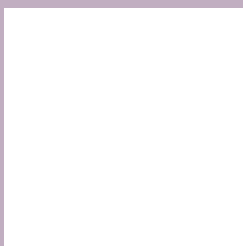
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7540, 45.4598, 56.7625

Background



This preview shows how black text looks on a background with the XYZ color 46.7540, 45.4598, 56.7625.



This preview shows how white text looks on a background with the XYZ color 46.7540, 45.4598,

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

46.7540, 45.4598, 56.7625

Protanopia

44.4440, 45.6907, 58.7013

Deuteranopia

46.4415, 45.5866, 56.8034



Tritanopia

46.1453, 45.4973, 53.9267

Trichromacy



Original Color

46.7540, 45.4598, 56.7625

Protanomaly

45.1009, 45.4517, 58.0257

Deuteranomaly

46.6938, 45.7167, 56.8152

Tritanomaly

46.3625, 45.5841, 55.0702

Monochromacy



Original Color

46.7540, 45.4598, 56.7625

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2327, 46.2245, 52.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7540, 45.4598, 56.7625 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(193, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 193)  
}
```

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(193, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.7540, 45.4598, 56.7625 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(193, 174, 193) }
```


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

```
.border{ border-color:rgb(193, 174, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 174, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 174, 193); box-shadow:4px 4px 4px 4px rgb(193, 174, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7540, 45.4598, 56.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 193) }
```

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

```
.background{ background-color: rgb(193,  
174, 193) }
```

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