

Converting Colors

XYZ(58.1023, 42.4777, 46.1078)

Have a look what the booklet for
XYZ(58.1023, 42.4777, 46.1078)
contains.

XYZ(58.1650, 42.5715, 46.2258)	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(58.1650, 42.5715,
46.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8AB0
RGB	255, 138, 176
RGB Percent	100%, 54%, 69%
CMY	0.0000, 0.4588, 0.3098
CMYK	0.00, 0.46, 0.31, 0.00
HSL	341°, 100%, 77%
HSV	341°, 46%, 100%
XYZ	58.1650, 42.5715, 46.2258
YIQ	177.3150, 57.5340, 36.6220

Conversions

Conversions Part 2

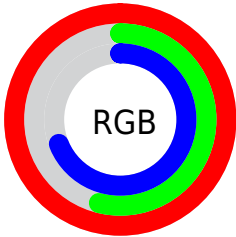
Format	Color
R _Y B	255, 138, 176
Decimal	16747184
CIE Lab	71.26, 48.37, 0.14
CIE LCh	71, 48.366, 0.163
Yxy	42.5715, 0.3958, 0.2897
Android (android.graphics.Color)	4294937264 (0xFFFF8AB0)
YUV	177.3150, -0.6483, 68.1297
Hunter-Lab	65.2468, 44.9438, 3.6673

Details

The XYZ color **58.1650, 42.5715, 46.2258** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.7675, 81.9339, 78.3671**, and the grayscale version is **41.9387, 44.1228, 48.0497**.

A 20% lighter version of the original color is **75.0973, 65.6698, 85.0614**, and **29.3141, 19.3980, 21.2679** is the 20% darker color. If you saturate the color by 10%, you get **53.3294, 35.4561, 36.7348**, and if you desaturate by 10%, it is **64.0775, 51.4948, 57.1429**.

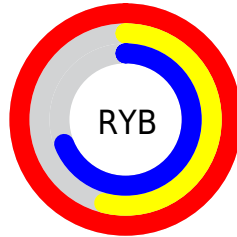
Distribution



Red (100%)

Green (54%)

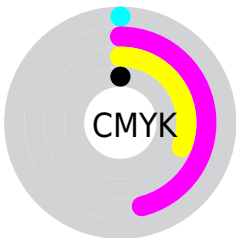
Blue (69%)



Red (100%)

Yellow (54%)

Blue (69%)

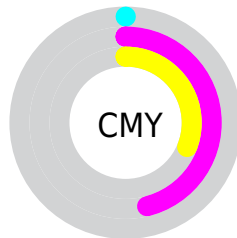


Cyan (0%)

Magenta (46%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1650, 42.5715, 46.2258 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 58.1650, 42.5715, 46.2258 by changing the saturation by 10% instead.


 58.1650, 42.5715,
46.2258


 58.1650, 42.5715,
46.2258


407.7444,
356.8466, 388.0196


 42.1851, 29.5491,
32.0741


 101.2847, 79.0638,
85.8947

 29.4380, 19.4966,
21.1528


 129.1552,
103.3025, 112.2489

 19.5583, 12.0296,
13.0434


 161.7199,
132.0487, 143.5077

 12.1808, 6.7639,
7.3274

199.3442,
165.6869, 180.0897

 6.9400, 3.3149,
3.5861

242.3934,
204.6013, 222.4133

 3.4706, 1.2982,
1.4012

291.2330,

 1.4072, 0.1398,

249.1765, 270.8972

0.1426

346.2282,
299.7968, 325.9597

■ 0.2614, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1650, 42.5715,
46.2258

■ 58.1650, 42.5715,
46.2258

■ 53.3294, 35.4561,
36.7348

■ 64.0775, 51.4948,
57.1429

■ 49.4985, 30.0174,
28.6048

■ 71.1266, 62.3331,
69.5423

■ 46.5959, 26.1158,
21.7683

■ 79.3711, 75.1925,
83.4798

■ 44.5316, 23.5864,
16.1502

■ 88.8646, 90.1692,
99.0076

■ 43.1956, 22.2248,
11.6653

95.0500, 100.0000,
108.9000

■ 42.7941, 21.8816,
10.1138

Harmonies

Analogous

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



55.5694, 42.5715, 72.3410



58.1650, 42.5715, 46.2258



55.5144, 42.5715, 27.3242

Triad

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



58.1650, 42.5715, 46.2258



33.1158, 42.5715, 17.4502



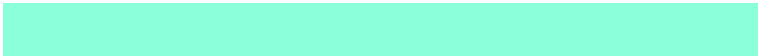
33.1832, 42.5715, 96.9491

Complementary

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



58.1650, 42.5715, 46.2258



58.7675, 81.9339, 78.3671

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.



28.4122, 42.5715, 72.6384



58.1650, 42.5715, 46.2258



28.3771, 42.5715, 27.4796

Square

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



58.1650, 42.5715, 46.2258



40.4185, 42.5715, 14.4809



26.7751, 42.5715, 46.4807



40.5074, 42.5715, 106.9663

Rectangle

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



58.1650, 42.5715, 46.2258



51.3084, 42.5715, 19.8030



26.7751, 42.5715, 46.4807



31.2648, 42.5715, 89.8499

Sweetspot

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



58.1660, 42.5735, 46.2266



81.0587, 77.8432, 86.2757



55.4590, 39.9982, 99.4052



16.9361, 16.0117, 17.7806



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.



58.1660, 42.5735, 46.2266



53.7134, 36.0130, 37.5143



57.9706, 47.3806, 30.1373



18.2525, 18.0843, 19.9470



22.4213, 11.4578, 5.6030



2.2308, 1.1347, 0.7966

Inverse Universe

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



58.1660, 42.5735, 46.2266



53.7134, 36.0130, 37.5143



58.3844, 72.3279, 105.4912



18.2525, 18.0843, 19.9470



22.4213, 11.4578, 5.6030



2.2308, 1.1347, 0.7966

Previews

White Background



This preview shows how the XYZ color 58.1650, 42.5715, 46.2258 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 58.1650, 42.5715, 46.2258 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 58.1650, 42.5715, 46.2258

Background



This preview shows how black text looks on a background with the XYZ color 58.1650, 42.5715, 46.2258.



This preview shows how white text looks on a background with the XYZ color 58.1650, 42.5715,

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

58.1650, 42.5715, 46.2258

Protanopia

42.1237, 43.0072, 59.5072

Deuteranopia

43.5310, 42.6537, 44.4667



Tritanopia

55.9308, 42.5286, 35.3979

Trichromacy



Original Color

58.1650, 42.5715, 46.2258



Protanomaly

46.3963, 41.7640, 54.3311



Deuteranomaly

48.0886, 42.0698, 45.1209



Tritanomaly

56.8309, 42.6938, 38.9636

Monochromacy



Original Color

58.1650, 42.5715, 46.2258



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

46.2098, 42.3478, 47.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1650, 42.5715, 46.2258 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(255, 138, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 176)  
}
```

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(255, 138, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 176) }
```

Border

The CSS property to change the border of an element to XYZ 58.1650, 42.5715, 46.2258 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(255, 138, 176) }
```


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

```
.border{ border-color:rgb(255, 138, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1650, 42.5715, 46.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 176) }
```

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

```
.background{ background-color: rgb(255,  
138, 176) }
```

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