

Converting Colors

XYZ(104.5169, 66.0070,
55.0657)

Have a look what the booklet for
XYZ(104.5169, 66.0070, 55.0657)
contains.

XYZ(59.2628, 42.7822, 52.7112)	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(59.2628, 42.7822,
52.7112)**

Conversions

Conversions Part 1

Format	Color
Hex	FF89BC
RGB	255, 137, 188
RGB Percent	100%, 54%, 74%
CMY	0.0000, 0.4627, 0.2627
CMYK	0.00, 0.46, 0.26, 0.00
HSL	334°, 100%, 77%
HSV	334°, 46%, 100%
XYZ	59.2628, 42.7822, 52.7112
YIQ	178.0960, 53.9570, 40.8770

Conversions

Conversions Part 2

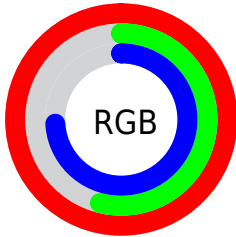
Format	Color
R _Y B	255, 137, 188
Decimal	16746940
CIE Lab	71.41, 50.40, -6.34
CIE LCh	71, 50.797, 352.832
Yxy	42.7822, 0.3829, 0.2764
Android (android.graphics.Color)	4294937020 (0xFFFF89BC)
YUV	178.0960, 4.8827, 67.4448
Hunter-Lab	65.4081, 47.2652, -1.9951

Details

The XYZ color **59.2628, 42.7822, 52.7112** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.9775, 81.1989, 69.8006**, and the grayscale version is **42.3239, 44.5281, 48.4910**.

A 20% lighter version of the original color is **76.6391, 65.9316, 94.2747**, and **30.2314, 19.6715, 25.1253** is the 20% darker color. If you saturate the color by 10%, you get **54.5733, 35.7772, 43.8295**, and if you desaturate by 10%, it is **64.9675, 51.5667, 62.7049**.

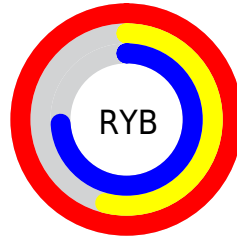
Distribution



Red (100%)

Green (54%)

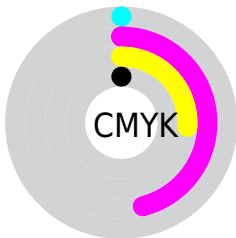
Blue (74%)



Red (100%)

Yellow (54%)

Blue (74%)

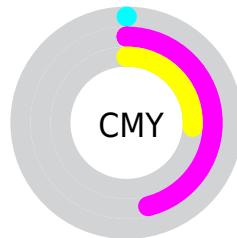


Cyan (0%)

Magenta (46%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2628, 42.7822, 52.7112 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 59.2628, 42.7822, 52.7112 by changing the saturation by 10% instead.


 59.2628, 42.7822,
52.7112


 59.2628, 42.7822,
52.7112


411.7535,
357.7153, 414.2109


 43.0719, 29.7143,
37.1861

 102.8720, 79.3821,
95.6165

 30.1363, 19.6218,
25.0547


 131.0209,
103.6828, 123.8338

 20.0906, 12.1204,
15.8984


 163.8866,
132.4966, 157.1190

 12.5696, 6.8258,
9.2987

201.8344,
166.2079, 195.8905

 7.2078, 3.3534,
4.8371

245.2296,
205.2010, 240.5669

 3.6399, 1.3189,
2.0949

294.4377,

 1.5005, 0.1558,

249.8603, 291.5667

0.6127

349.8238,
300.5703, 349.3086

■ 0.3262, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2628, 42.7822,
52.7112

■ 59.2628, 42.7822,
52.7112

■ 54.5733, 35.7772,
43.8295

■ 64.9675, 51.5667,
62.7049

■ 50.8300, 30.4214,
36.0128

■ 71.7439, 62.2371,
73.8499

■ 47.9597, 26.5760,
29.2133

■ 79.6479, 74.8984,
86.1860

■ 45.8761, 24.0764,
23.3775

■ 88.7307, 89.6460,
99.7503

■ 44.4725, 22.7181, 95.0500, 100.0000,
18.4433 108.9000

■ 44.0656, 22.3903,
16.8096

Harmonies

Analogous

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



55.2284, 42.7822, 81.2303



59.2628, 42.7822, 52.7112



57.7840, 42.7822, 30.5910

Triad

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



59.2628, 42.7822, 52.7112



34.6091, 42.7822, 15.2588



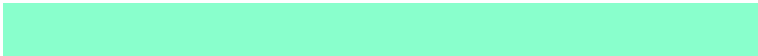
31.5136, 42.7822, 95.1039

Complementary

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



59.2628, 42.7822, 52.7112



56.9775, 81.1989, 69.8006

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.



27.3099, 42.7822, 67.3554



59.2628, 42.7822, 52.7112



28.9143, 42.7822, 23.5258

Square

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



59.2628, 42.7822, 52.7112



42.7503, 42.7822, 13.7338



26.4298, 42.7822, 40.9484



38.6451, 42.7822, 110.6924

Rectangle

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



59.2628, 42.7822, 52.7112



53.9572, 42.7822, 21.3363



26.4298, 42.7822, 40.9484



29.7546, 42.7822, 86.5059

Sweetspot

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



59.2638, 42.7842, 52.7120



81.6061, 78.0622, 89.1583



51.8628, 37.9323, 99.1959



17.0687, 16.0648, 18.4790



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.



59.2638, 42.7842, 52.7120



54.6879, 35.9452, 44.0566



55.8619, 43.2784, 29.0789



18.3353, 18.1174, 20.3829



23.0968, 11.7280, 9.1601



2.3024, 1.1633, 1.1739

Inverse Universe

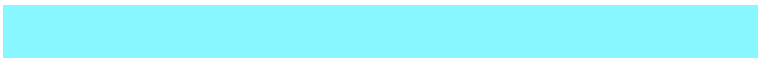
The Inverse Universe completely reimagines the original color for something new.



59.2638, 42.7842, 52.7120



54.6879, 35.9452, 44.0566



61.6694, 79.1424, 106.6334



18.3353, 18.1174, 20.3829



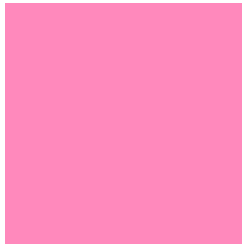
23.0968, 11.7280, 9.1601



2.3024, 1.1633, 1.1739

Previews

White Background



This preview shows how the XYZ color 59.2628, 42.7822, 52.7112 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 59.2628, 42.7822, 52.7112 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 59.2628, 42.7822, 52.7112

Background



This preview shows how black text looks on a background with the XYZ color 59.2628, 42.7822, 52.7112.



This preview shows how white text looks on a background with the XYZ color 59.2628, 42.7822,

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

59.2628, 42.7822, 52.7112

Protanopia

42.9561, 43.2411, 68.3697

Deuteranopia

43.8045, 42.9457, 50.2366



Tritanopia

55.8001, 42.6735, 35.8677

Trichromacy



Original Color

59.2628, 42.7822, 52.7112



Protanomaly

47.0775, 41.9436, 62.1146



Deuteranomaly

48.3192, 42.0605, 50.9192



Tritanomaly

56.9158, 42.6856, 41.3157

Monochromacy



Original Color

59.2628, 42.7822, 52.7112



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

46.9943, 42.6936, 50.0198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2628, 42.7822, 52.7112 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, 137, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 188)  
}
```

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, 137, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 188) }
```

Border

The CSS property to change the border of an element to XYZ 59.2628, 42.7822, 52.7112 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, 137, 188) }
```


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

```
.border{ border-color:rgb(255, 137, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2628, 42.7822, 52.7112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 188) }
```

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

```
.background{ background-color: rgb(255,  
137, 188) }
```

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