

Converting Colors

XYZ(55.7658, 40.7105, 36.3712)

Have a look what the booklet for
XYZ(55.7658, 40.7105, 36.3712)
contains.

XYZ(55.7658, 40.7105, 36.3712)	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(55.7658, 40.7105,
36.3712)**

Conversions

Conversions Part 1

Format	Color
Hex	FF869C
RGB	255, 134, 156
RGB Percent	100%, 53%, 61%
CMY	0.0000, 0.4745, 0.3882
CMYK	0.00, 0.47, 0.39, 0.00
HSL	349°, 100%, 76%
HSV	349°, 47%, 100%
XYZ	55.7658, 40.7105, 36.3712
YIQ	172.6870, 65.0540, 32.4940

Conversions

Conversions Part 2

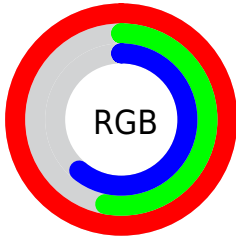
Format	Color
R _Y B	255, 134, 156
Decimal	16746140
CIE Lab	69.97, 48.01, 9.46
CIE LCh	70, 48.933, 11.145
Yxy	40.7105, 0.4198, 0.3064
Android (android.graphics.Color)	4294936220 (0xFFFF869C)
YUV	172.6870, -8.2267, 72.1885
Hunter-Lab	63.8048, 44.3518, 10.8657

Details

The XYZ color **55.7658, 40.7105, 36.3712** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **60.3015, 82.4724, 89.8361**, and the grayscale version is **39.5797, 41.6409, 45.3470**.

A 20% lighter version of the original color is **71.2863, 62.7401, 69.3256**, and **27.9241, 18.3593, 15.4365** is the 20% darker color. If you saturate the color by 10%, you get **51.0389, 33.8456, 26.8148**, and if you desaturate by 10%, it is **61.6479, 49.4001, 47.8108**.

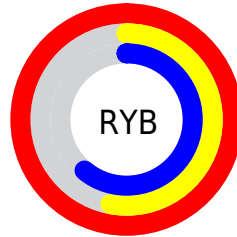
Distribution



Red (100%)

Green (53%)

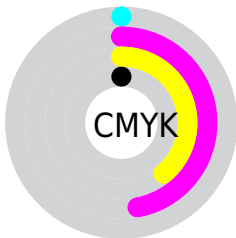
Blue (61%)



Red (100%)

Yellow (53%)

Blue (61%)

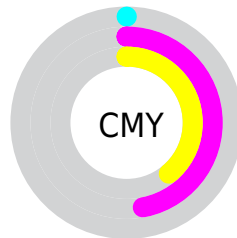


Cyan (0%)

Magenta (47%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7658, 40.7105, 36.3712 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 55.7658, 40.7105, 36.3712 by changing the saturation by 10% instead.


 55.7658, 40.7105,
36.3712


 55.7658, 40.7105,
36.3712


398.8976,
349.1092, 345.6664


 40.2514, 28.0929,
24.4291


 97.8039, 76.2442,
70.7801

 27.9197, 18.3957,
15.4371

 125.0583, 99.9292,
94.0839

 18.4053, 11.2345,
8.9767


 156.9568,
128.0721, 122.0121

 11.3428, 6.2248,
4.6294

193.8647,
161.0573, 154.9831

 6.3669, 2.9822,
1.9766

236.1474,
199.2692, 193.4155

 3.1122, 1.1225,
0.5408

284.1702,

 1.2134, 0.0000,

243.0922, 237.7278

0.0000

338.2985,
292.9108, 288.3386

■ 0.1169, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7658, 40.7105,
36.3712

■ 55.7658, 40.7105,
36.3712

■ 51.0389, 33.8456,
26.8148

■ 61.6479, 49.4001,
47.8108

■ 47.3865, 28.6687,
19.0368

■ 68.7524, 60.0258,
61.2256

■ 44.7221, 25.0342,
12.9256

■ 77.1449, 72.6973,
76.7047

■ 42.9441, 22.7684,
8.3553

■ 86.8855, 87.5144,
94.3305

■ 41.9231, 21.6463, 95.0499, 100.0000,
5.1794 108.9000

■ 41.7400, 21.4600,
4.5636

Harmonies

Analogous

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



55.0880, 40.7105, 60.0809



55.7658, 40.7105, 36.3712



51.4228, 40.7105, 21.2622

Triad

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



55.7658, 40.7105, 36.3712



29.4595, 40.7105, 18.8059



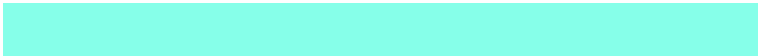
33.9489, 40.7105, 100.1998

Complementary

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



55.7658, 40.7105, 36.3712



60.3015, 82.4724, 89.8361

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.



28.2610, 40.7105, 79.9391



55.7658, 40.7105, 36.3712



25.9255, 40.7105, 31.5997

Square

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



55.7658, 40.7105, 36.3712



35.8062, 40.7105, 13.7000



25.5192, 40.7105, 53.3654



41.7333, 40.7105, 102.8541

Rectangle

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



55.7658, 40.7105, 36.3712



46.5728, 40.7105, 15.9234



25.5192, 40.7105, 53.3654



31.7582, 40.7105, 94.9636

Sweetspot

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



55.7669, 40.7126, 36.3720



80.3484, 77.5591, 82.5356



60.1209, 41.5653, 99.4617



16.7648, 15.9432, 16.8786



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.



55.7669, 40.7126, 36.3720



51.2272, 34.1161, 27.2041



60.3574, 52.6091, 29.5304



18.1442, 18.0410, 19.3764



21.8487, 11.2288, 2.5876



2.1620, 1.1072, 0.4345

Inverse Universe

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



55.7669, 40.7126, 36.3720



51.2272, 34.1161, 27.2041



52.6146, 61.7527, 103.7539



18.1442, 18.0410, 19.3764



21.8487, 11.2288, 2.5876



2.1620, 1.1072, 0.4345

Previews

White Background



This preview shows how the XYZ color 55.7658, 40.7105, 36.3712 looks on a white background.

Color Contrast Check

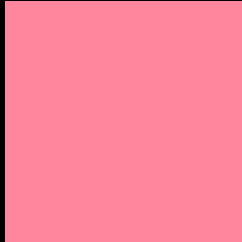
Large Text (above 18pt) WCAG AA × Fail

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 55.7658, 40.7105, 36.3712 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 55.7658, 40.7105, 36.3712

Background



This preview shows how black text looks on a background with the XYZ color 55.7658, 40.7105, 36.3712.



This preview shows how white text looks on a background with the XYZ color 55.7658, 40.7105,

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

55.7658, 40.7105, 36.3712

Protanopia

39.6330, 41.1446, 46.9271

Deuteranopia

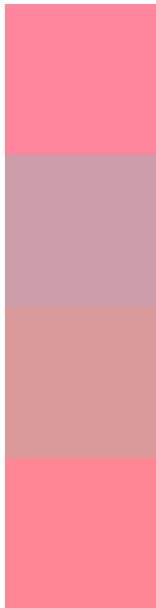
41.5467, 40.7467, 34.9533



Tritanopia

54.8655, 40.7545, 32.1688

Trichromacy



Original Color

55.7658, 40.7105, 36.3712

Protanomaly

44.0169, 40.0148, 42.9398

Deuteranomaly

45.9206, 40.1628, 35.4689

Tritanomaly

55.0420, 40.6008, 33.7899

Monochromacy



Original Color

55.7658, 40.7105, 36.3712

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

44.0018, 40.2828, 42.0154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7658, 40.7105, 36.3712 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, 134, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 156)  
}
```

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, 134, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 156) }
```

Border

The CSS property to change the border of an element to XYZ 55.7658, 40.7105, 36.3712 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, 134, 156) }
```


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

```
.border{ border-color:rgb(255, 134, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7658, 40.7105, 36.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 156) }
```

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

```
.background{ background-color: rgb(255,  
134, 156) }
```

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