

Converting Colors

XYZ(66.9323, 55.3304, 63.8712)

Have a look what the booklet for
XYZ(66.9323, 55.3304, 63.8712)
contains.

XYZ(66.9631, 55.4589, 63.6752)	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(66.9631, 55.4589,
63.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	FFADCB
RGB	255, 173, 203
RGB Percent	100%, 68%, 80%
CMY	0.0000, 0.3215, 0.2039
CMYK	0.00, 0.32, 0.20, 0.00
HSL	338°, 100%, 84%
HSV	338°, 32%, 100%
XYZ	66.9631, 55.4589, 63.6752
YIQ	200.9380, 39.2420, 26.7140

Conversions

Conversions Part 2

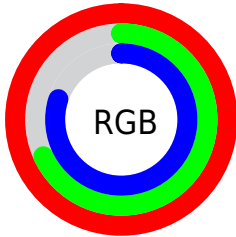
Format	Color
R _Y B	255, 173, 203
Decimal	16756171
CIE Lab	79.30, 34.11, -2.93
CIE LCh	79, 34.236, 355.088
Yxy	55.4589, 0.3598, 0.2980
Android (android.graphics.Color)	4294946251 (0xFFFFADCB)
YUV	200.9380, 1.0166, 47.4124
Hunter-Lab	74.4707, 30.1811, 1.4344

Details

The XYZ color **66.9631, 55.4589, 63.6752** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.5862, 85.8414, 84.2973**, and the grayscale version is **55.4570, 58.3451, 63.5378**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **35.1672, 27.4732, 31.8831** is the 20% darker color. If you saturate the color by 10%, you get **60.7040, 45.8657, 52.5716**, and if you desaturate by 10%, it is **74.3589, 67.0035, 76.1509**.

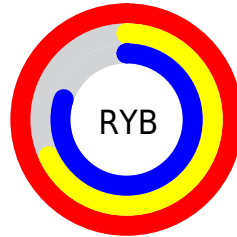
Distribution



Red (100%)

Green (68%)

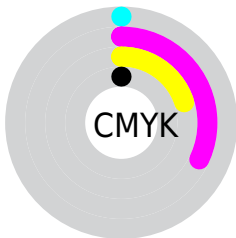
Blue (80%)



Red (100%)

Yellow (68%)

Blue (80%)

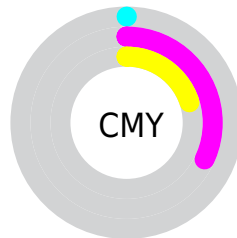


Cyan (0%)

Magenta (32%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9631, 55.4589, 63.6752 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 66.9631, 55.4589, 63.6752 by changing the saturation by 10% instead.


 66.9631, 55.4589,
63.6752

 66.9631, 55.4589,
63.6752


439.2480,
407.6491, 456.1910

 49.3252, 39.7693,
45.9432


 113.9176, 98.2130,
111.7380

 35.0931, 27.3587,
31.8526


143.9650,
126.0462, 142.9058

 23.9015, 17.8428,
20.9851


178.8796,
158.6961, 179.3894

 15.3849, 10.8372,
12.9220

219.0267,
196.5470, 221.6071

 9.1780, 5.9575,
7.2447

264.7717,
239.9834, 269.9776

 4.9155, 2.8192,
3.5349


316.4801,

 2.2320, 1.0381,


289.3896, 324.9194


1.3738


374.5170,
345.1501, 386.8510


 0.7595, 0.0000,
0.1212

 0.0000, 0.0000,
0.0000


 66.9631, 55.4589,
63.6752


 66.9631, 55.4589,
63.6752


 60.7040, 45.8657,
52.5716


 74.3589, 67.0035,
76.1509

 55.5184, 38.1078,
42.7868

 82.9425, 80.5927,
90.0427

 51.3425, 32.0677,
34.2683

 92.7664, 96.3223,
105.3965

 48.1039, 27.6114,
26.9586

95.0500, 100.0000,
108.9000

■ 45.7195, 24.5843,
20.7945

■ 44.0903, 22.8005,
15.7051

■ 43.2284, 22.0554,
12.4007

Harmonies

Analogous

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



64.2746, 55.4589, 84.6650



66.9631, 55.4589, 63.6752



65.5713, 55.4589, 45.7538

Triad

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



66.9631, 55.4589, 63.6752



47.3191, 55.4589, 32.2468



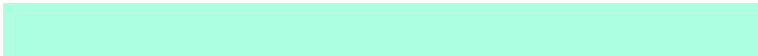
45.5235, 55.4589, 96.9256

Complementary

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



66.9631, 55.4589, 63.6752



66.5862, 85.8414, 84.2973

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.



41.6545, 55.4589, 77.8444



66.9631, 55.4589, 63.6752



42.6266, 55.4589, 41.2573

Square

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



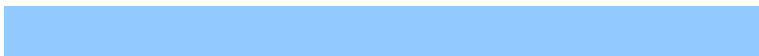
66.9631, 55.4589, 63.6752



53.8486, 55.4589, 30.0463



40.6415, 55.4589, 57.2107



51.5916, 55.4589, 106.3368

Rectangle

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



66.9631, 55.4589, 63.6752



62.5749, 55.4589, 37.4056



40.6415, 55.4589, 57.2107



43.9441, 55.4589, 91.2531

Sweetspot

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



66.9644, 55.4613, 63.6763



84.9525, 83.7976, 93.2256



64.0260, 53.1067, 101.4838



17.9013, 17.4862, 19.5081



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.



66.9644, 55.4613, 63.6763



62.5599, 48.6889, 55.9296



65.9112, 58.5328, 47.3623



18.2840, 18.0969, 20.1129



22.6531, 11.5505, 6.8238



2.2560, 1.1448, 0.9296

Inverse Universe

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



66.9644, 55.4613, 63.6763



62.5599, 48.6889, 55.9296



67.6559, 80.8469, 106.6469



18.2840, 18.0969, 20.1129



22.6531, 11.5505, 6.8238



2.2560, 1.1448, 0.9296

Previews

White Background



This preview shows how the XYZ color 66.9631, 55.4589, 63.6752 looks on a white background.

Color Contrast Check

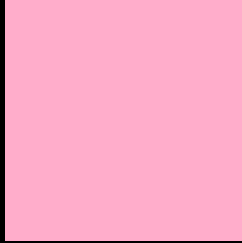
Large Text (above 18pt) WCAG AA × Fail

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 66.9631, 55.4589, 63.6752 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 66.9631, 55.4589, 63.6752

Background



This preview shows how black text looks on a background with the XYZ color 66.9631, 55.4589, 63.6752.



This preview shows how white text looks on a background with the XYZ color 66.9631, 55.4589,

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

66.9631, 55.4589, 63.6752

Protanopia

54.7700, 56.0917, 73.5857

Deuteranopia

56.7877, 55.7279, 62.4071



Tritanopia

65.0233, 55.2167, 55.3749

Trichromacy



Original Color

66.9631, 55.4589, 63.6752



Protanomaly

58.4822, 55.4716, 69.9121



Deuteranomaly

59.9962, 55.1560, 62.7424



Tritanomaly

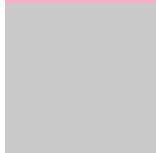
65.7467, 55.2380, 58.2357

Monochromacy



Original Color

66.9631, 55.4589, 63.6752



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.1103, 56.8980, 63.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9631, 55.4589, 63.6752 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, 173, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 203)  
}
```

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, 173, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 203) }
```

Border

The CSS property to change the border of an element to XYZ 66.9631, 55.4589, 63.6752 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, 173, 203) }
```


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

```
.border{ border-color:rgb(255, 173, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9631, 55.4589, 63.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 203) }
```

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

```
.background{ background-color: rgb(255,  
173, 203) }
```

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