

Converting Colors

XYZ(88.1666, 64.8700, 78.1512)

Have a look what the booklet for
XYZ(88.1666, 64.8700, 78.1512)
contains.

XYZ(68.8825, 55.0178, 77.5100)	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(68.8825, 55.0178,
77.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA9E0
RGB	255, 169, 224
RGB Percent	100%, 66%, 88%
CMY	0.0000, 0.3372, 0.1216
CMYK	0.00, 0.34, 0.12, 0.00
HSL	322°, 100%, 83%
HSV	322°, 34%, 100%
XYZ	68.8825, 55.0178, 77.5100
YIQ	200.9840, 33.6010, 35.3370

Conversions

Conversions Part 2

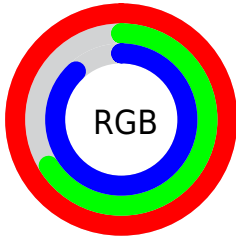
Format	Color
R _Y B	255, 169, 224
Decimal	16755168
CIE _{Lab}	79.05, 39.41, -14.70
CIE _{LCh}	79, 42.064, 339.550
Y _{xy}	55.0178, 0.3420, 0.2732
Android (android.graphics.Color)	4294945248 (0xFFFFA9E0)
YUV	200.9840, 11.3469, 47.3720
Hunter-Lab	74.1740, 35.9615, -10.0348

Details

The XYZ color **68.8825, 55.0178, 77.5100** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.5495, 84.1261, 67.5881**, and the grayscale version is **55.4261, 58.3126, 63.5024**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **36.3181, 26.9964, 40.8328** is the 20% darker color. If you saturate the color by 10%, you get **63.3798, 45.9538, 69.6907**, and if you desaturate by 10%, it is **75.3803, 65.9636, 85.9949**.

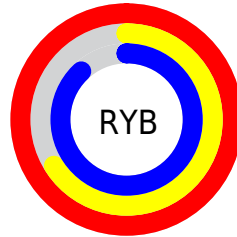
Distribution



Red (100%)

Green (66%)

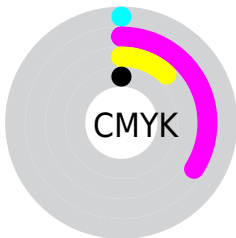
Blue (88%)



Red (100%)

Yellow (66%)

Blue (88%)

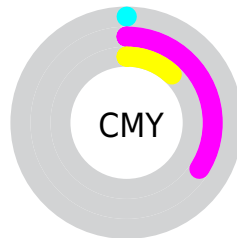


Cyan (0%)

Magenta (34%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8825, 55.0178, 77.5100 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 68.8825, 55.0178, 77.5100 by changing the saturation by 10% instead.

68.8825, 55.0178,
77.5100

68.8825, 55.0178,
77.5100

445.9443,
405.9794, 505.9849

50.8923, 39.4160,
57.1575

116.6487, 97.5670,
131.6387

36.3436, 27.0835,
40.7215

147.1555,
125.2832, 166.2520

24.8710, 17.6359,
27.7835

182.5651,
157.8063, 206.4560

16.1092, 10.6889,
17.9249

223.2430,
195.5208, 252.6692

9.6928, 5.8581,
10.7272

269.5545,
238.8109, 305.3101

5.2565, 2.7590,
5.7718

321.8650,

2.4348, 1.0072,

288.0611, 364.7974

2.6403

380.5398,
343.6558, 431.5494

■ 0.8625, 0.0000,
0.9132

■ 0.0000, 0.0000,
0.0000

■ 68.8825, 55.0178,
77.5100

■ 68.8825, 55.0178,
77.5100

■ 63.3798, 45.9538,
69.6907

■ 75.3803, 65.9636,
85.9949

■ 58.8132, 38.6560,
62.5101

■ 82.9198, 78.8837,
95.1640

■ 55.1233, 33.0072,
55.9439

■ 91.5496, 93.8731,
105.0391

■ 52.2420, 28.8729,
49.9637

95.0500, 100.0000,
108.9000

■ 50.0904, 26.0971,
44.5377

■ 48.5725, 24.4896,
39.6281

■ 47.8578, 23.9071,
36.7790

Harmonies

Analogous

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



63.2337, 55.0178, 102.9763



68.8825, 55.0178, 77.5100



69.8384, 55.0178, 52.5732

Triad

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



68.8825, 55.0178, 77.5100



49.6658, 55.0178, 24.9589



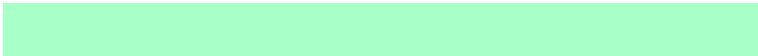
40.8308, 55.0178, 94.3390

Complementary

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



68.8825, 55.0178, 77.5100



62.5495, 84.1261, 67.5881

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.



37.9634, 55.0178, 67.8886



68.8825, 55.0178, 77.5100



42.6928, 55.0178, 30.9123

Square

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



68.8825, 55.0178, 77.5100



58.1245, 55.0178, 26.2455



38.6066, 55.0178, 45.1906



46.8648, 55.0178, 114.3534

Rectangle

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



68.8825, 55.0178, 77.5100



67.5929, 55.0178, 39.9138



38.6066, 55.0178, 45.1906



39.4955, 55.0178, 85.6558

Sweetspot

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



68.8838, 55.0202, 77.5111



86.0029, 84.2177, 98.7570



55.8200, 47.7546, 100.8833



18.1552, 17.5878, 20.8453



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.



68.8838, 55.0202, 77.5111



65.3164, 49.1165, 72.5262



63.8629, 53.0118, 51.0711



18.4985, 18.1827, 21.2420



25.0808, 12.5216, 19.6077



2.4944, 1.2401, 2.1847

Inverse Universe

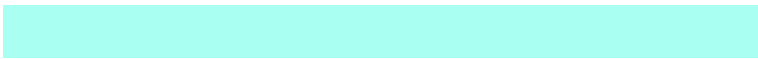
The Inverse Universe completely reimagines the original color for something new.



68.8838, 55.0202, 77.5111



65.3164, 49.1165, 72.5262



68.1657, 86.3726, 97.1628



18.4985, 18.1827, 21.2420



25.0808, 12.5216, 19.6077



2.4944, 1.2401, 2.1847

Previews

White Background



This preview shows how the XYZ color 68.8825, 55.0178, 77.5100 looks on a white background.

Color Contrast Check

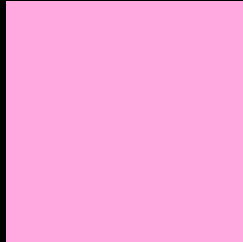
Large Text (above 18pt) WCAG AA × Fail

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 68.8825, 55.0178, 77.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

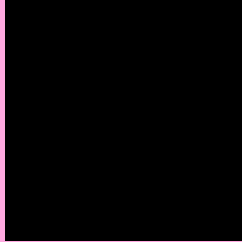
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8825, 55.0178, 77.5100

Background



This preview shows how black text looks on a background with the XYZ color 68.8825, 55.0178, 77.5100.



This preview shows how white text looks on a background with the XYZ color 68.8825, 55.0178,

77.5100.

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

68.8825, 55.0178, 77.5100

Protanopia

55.1766, 55.2487, 90.9750

Deuteranopia

56.4509, 55.2663, 75.4023



Tritanopia

64.2989, 54.8433, 55.3410

Trichromacy



Original Color

68.8825, 55.0178, 77.5100



Protanomaly

58.9227, 54.3977, 85.9915



Deuteranomaly

60.4161, 54.7754, 75.7951



Tritanomaly

65.7491, 54.8469, 62.9983

Monochromacy



Original Color

68.8825, 55.0178, 77.5100



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.5250, 56.3708, 68.0649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8825, 55.0178, 77.5100 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, 169, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 224)  
}
```

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, 169, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 224) }
```

Border

The CSS property to change the border of an element to XYZ 68.8825, 55.0178, 77.5100 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, 169, 224) }
```


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

```
.border{ border-color:rgb(255, 169, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8825, 55.0178, 77.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 224) }
```

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

```
.background{ background-color: rgb(255,  
169, 224) }
```

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