

Converting Colors

XYZ(91.2703, 64.9494, 77.5398)

Have a look what the booklet for
XYZ(91.2703, 64.9494, 77.5398)
contains.

XYZ(67.6565, 52.7821, 76.4341)	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(67.6565, 52.7821,
76.4341)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3DF
RGB	255, 163, 223
RGB Percent	100%, 64%, 87%
CMY	0.0000, 0.3608, 0.1255
CMYK	0.00, 0.36, 0.13, 0.00
HSL	321°, 100%, 82%
HSV	321°, 36%, 100%
XYZ	67.6565, 52.7821, 76.4341
YIQ	197.3480, 35.5720, 38.1640

Conversions

Conversions Part 2

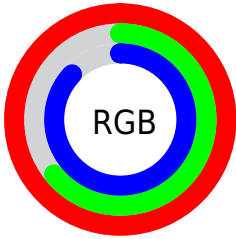
Format	Color
R _Y B	255, 163, 223
Decimal	16753631
CIE Lab	77.75, 42.36, -16.12
CIE LCh	78, 45.321, 339.169
Yxy	52.7821, 0.3437, 0.2681
Android (android.graphics.Color)	4294943711 (0xFFFFA3DF)
YUV	197.3480, 12.6464, 50.5608
Hunter-Lab	72.6513, 39.0883, -11.5212

Details

The XYZ color **67.6565, 52.7821, 76.4341** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.7164, 83.2475, 64.5011**, and the grayscale version is **53.1933, 55.9635, 60.9442**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **35.5625, 25.6347, 40.1194** is the 20% darker color. If you saturate the color by 10%, you get **62.4121, 44.1573, 68.9399**, and if you desaturate by 10%, it is **73.8787, 63.2619, 84.5647**.

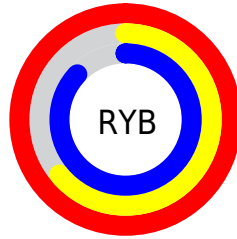
Distribution



Red (100%)

Green (64%)

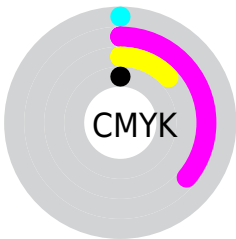
Blue (87%)



Red (100%)

Yellow (64%)

Blue (87%)

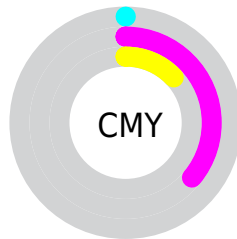


Cyan (0%)

Magenta (36%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6565, 52.7821, 76.4341 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 67.6565, 52.7821, 76.4341 by changing the saturation by 10% instead.


 67.6565, 52.7821,
76.4341


 67.6565, 52.7821,
76.4341

441.6738,
397.4486, 502.2187

 49.8910, 37.6288,
56.2797

 114.9052, 94.2837,
130.1061

 35.5442, 25.6948,
40.0218


 145.1191,
121.4007, 164.4607

 24.2509, 16.5954,
27.2416

180.2132,
153.2746, 204.3859

 15.6456, 9.9465,
17.5207

220.5529,
190.2895, 250.3002

 9.3630, 5.3635,
10.4406

266.5034,
232.8300, 302.6221

 5.0377, 2.4621,
5.5826

318.4302,

 2.3044, 0.8575,

281.2804, 361.7701

2.5283

376.6985,
336.0251, 428.1628

■ 0.7969, 0.0000,
0.8551

■ 0.0000, 0.0000,
0.0000

■ 67.6565, 52.7821,
76.4341

■ 67.6565, 52.7821,
76.4341

■ 62.4121, 44.1573,
68.9399

■ 73.8787, 63.2619,
84.5647

■ 58.0859, 37.2701,
62.0554

■ 81.1266, 75.6916,
93.3503

■ 54.6168, 32.0001,
55.7564

■ 89.4492, 90.1675,
102.8123

■ 51.9346, 28.2084,
50.0144

95.0500, 100.0000,
108.9000

■ 49.9575, 25.7327,
44.7971

■ 48.5837, 24.3712,
40.0655

■ 48.1506, 24.0242,
38.3207

Harmonies

Analogous

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



61.6027, 52.7821, 103.6901



67.6565, 52.7821, 76.4341



68.7459, 52.7821, 50.1065

Triad

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



67.6565, 52.7821, 76.4341



47.5258, 52.7821, 21.7365



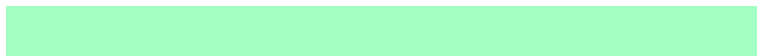
38.1856, 52.7821, 93.7324

Complementary

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



67.6565, 52.7821, 76.4341



60.7164, 83.2475, 64.5011

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.



35.2801, 52.7821, 65.5234



67.6565, 52.7821, 76.4341



40.2434, 52.7821, 27.5474

Square

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



67.6565, 52.7821, 76.4341



56.4134, 52.7821, 23.0935



35.9869, 52.7821, 41.9360



44.4011, 52.7821, 115.5309

Rectangle

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



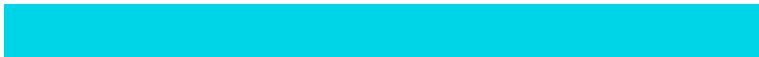
67.6565, 52.7821, 76.4341



66.3983, 52.7821, 36.9819



35.9869, 52.7821, 41.9360



36.8244, 52.7821, 84.3998

Sweetspot

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



67.6577, 52.7843, 76.4352



85.2140, 82.7783, 98.0675



53.3120, 44.8424, 100.4533



17.9997, 17.3016, 20.7171



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.



67.6577, 52.7843, 76.4352



63.9251, 46.6204, 71.1793



62.4082, 50.6845, 48.7917



18.5085, 18.1867, 21.2951



25.2330, 12.5825, 20.4091



2.5085, 1.2458, 2.2591

Inverse Universe

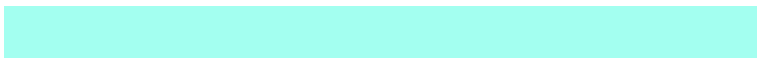
The Inverse Universe completely reimagines the original color for something new.



67.6577, 52.7843, 76.4352



63.9251, 46.6204, 71.1793



66.5443, 85.5787, 95.1906



18.5085, 18.1867, 21.2951



25.2330, 12.5825, 20.4091



2.5085, 1.2458, 2.2591

Previews

White Background



This preview shows how the XYZ color 67.6565, 52.7821, 76.4341 looks on a white background.

Color Contrast Check

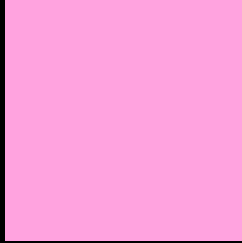
Large Text (above 18pt) WCAG AA × Fail

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 67.6565, 52.7821, 76.4341 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 67.6565, 52.7821, 76.4341

Background



This preview shows how black text looks on a background with the XYZ color 67.6565, 52.7821, 76.4341.



This preview shows how white text looks on a background with the XYZ color 67.6565, 52.7821,

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

67.6565, 52.7821, 76.4341

Protanopia

53.4802, 53.3757, 91.4882

Deuteranopia

54.3226, 53.2230, 74.4278



Tritanopia

62.3463, 52.4923, 51.6458

Trichromacy



Original Color

67.6565, 52.7821, 76.4341



Protanomaly

57.2514, 52.3113, 85.6769



Deuteranomaly

58.2518, 52.4676, 74.7672



Tritanomaly

64.1566, 52.4101, 60.1608

Monochromacy



Original Color

67.6565, 52.7821, 76.4341



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.4030, 54.0596, 65.8016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6565, 52.7821, 76.4341 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, 163, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 223)  
}
```

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, 163, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 223) }
```

Border

The CSS property to change the border of an element to XYZ 67.6565, 52.7821, 76.4341 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, 163, 223) }
```


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

```
.border{ border-color:rgb(255, 163, 223) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6565, 52.7821, 76.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 223) }
```

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

```
.background{ background-color: rgb(255,  
163, 223) }
```

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](#).

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