

Converting Colors

XYZ(68.0123, 53.4663, 65.7284)

Have a look what the booklet for
XYZ(68.0123, 53.4663, 65.7284)
contains.

XYZ(65.7779, 52.3159, 65.6626)	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(65.7779, 52.3159,
65.6626)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA4CF
RGB	255, 164, 207
RGB Percent	100%, 64%, 81%
CMY	0.0000, 0.3568, 0.1882
CMYK	0.00, 0.36, 0.19, 0.00
HSL	332°, 100%, 82%
HSV	332°, 36%, 100%
XYZ	65.7779, 52.3159, 65.6626
YIQ	196.1110, 40.4330, 32.6650

Conversions

Conversions Part 2

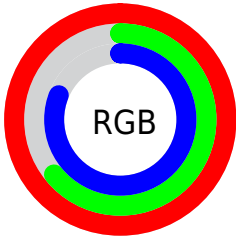
Format	Color
R_{YB}	255, 164, 207
Decimal	16753871
CIE _{Lab}	77.47, 39.38, -7.82
CIE _{LCh}	77, 40.150, 348.771
Yxy	52.3159, 0.3580, 0.2847
Android (android.graphics.Color)	4294943951 (0xFFFFA4CF)
YUV	196.1110, 5.3683, 51.6457
Hunter-Lab	72.3297, 35.7539, -3.1940

Details

The XYZ color **65.7779, 52.3159, 65.6626** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.9555, 84.1669, 75.2186**, and the grayscale version is **52.4890, 55.2225, 60.1373**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **34.4602, 25.5391, 33.2503** is the 20% darker color. If you saturate the color by 10%, you get **60.0884, 43.4574, 55.9954**, and if you desaturate by 10%, it is **72.5250, 63.0647, 76.3748**.

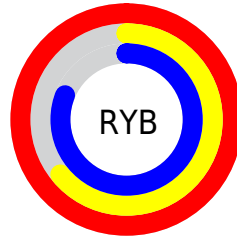
Distribution



Red (100%)

Green (64%)

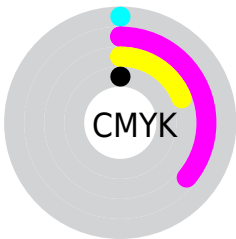
Blue (81%)



Red (100%)

Yellow (64%)

Blue (81%)

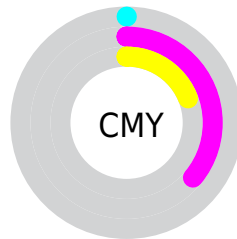


Cyan (0%)

Magenta (36%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7779, 52.3159, 65.6626 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 65.7779, 52.3159, 65.6626 by changing the saturation by 10% instead.


 65.7779, 52.3159,
65.6626


 65.7779, 52.3159,
65.6626


435.0833,
395.6549, 463.5405

 48.3592, 37.2569,
47.5438

 112.2270, 93.5970,
114.6243

 34.3238, 25.4065,
33.1083

 141.9881,
120.5878, 146.3043

 23.3066, 16.3802,
21.9377

176.5940,
152.3248, 183.3418

 14.9420, 9.7936,
13.6132

216.4101,
189.1923, 226.1553

 8.8647, 5.2623,
7.7165

261.8017,
231.5746, 275.1634

 4.7095, 2.4020,
3.8289

313.1342,

 2.1108, 0.8269,

279.8563, 330.7846

1.5320

370.7730,
334.4216, 393.4375

■ 0.6951, 0.0000,
0.2416

■ 0.0000, 0.0000,
0.0000

■ 65.7779, 52.3159,
65.6626

■ 65.7779, 52.3159,
65.6626

■ 60.0884, 43.4574,
55.9954

■ 72.5250, 63.0647,
76.3748

■ 55.3941, 36.3710,
47.3334

■ 80.3795, 75.7991,
88.1634

■ 51.6318, 30.9357,
39.6385

■ 89.3927, 90.6161,
101.0620

■ 48.7290, 27.0123,
32.8677

95.0500, 100.0000,
108.9000

■ 46.6012, 24.4386,
26.9735

■ 45.1446, 23.0134,
21.9009

■ 44.6599, 22.6279,
19.9388

Harmonies

Analogous

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



61.7641, 52.3159, 89.8829



65.7779, 52.3159, 65.6626



65.1699, 52.3159, 44.3320

Triad

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



65.7779, 52.3159, 65.6626



45.0928, 52.3159, 25.4135



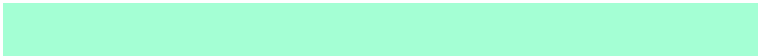
40.5563, 52.3159, 95.3576

Complementary

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



65.7779, 52.3159, 65.6626



62.9555, 84.1669, 75.2186

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.



36.9356, 52.3159, 71.7909



65.7779, 52.3159, 65.6626



39.3613, 52.3159, 33.2583

Square

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



65.7779, 52.3159, 65.6626



52.6761, 52.3159, 24.5766



36.5221, 52.3159, 49.0681



46.8856, 52.3159, 109.7595

Rectangle

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



65.7779, 52.3159, 65.6626



62.2390, 52.3159, 34.2453



36.5221, 52.3159, 49.0681



39.0115, 52.3159, 87.9999

Sweetspot

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



65.7792, 52.3182, 65.6636



84.4539, 82.4742, 94.0647



58.1962, 47.6250, 100.7330



17.8185, 17.2291, 19.7627



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.



65.7792, 52.3182, 65.6636



61.5153, 45.6565, 58.4898



61.4911, 51.0399, 41.7357



18.3667, 18.1300, 20.5481



23.4099, 11.8532, 10.8088



2.3340, 1.1760, 1.3405

Inverse Universe

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



65.7792, 52.3182, 65.6636



61.5153, 45.6565, 58.4898



68.6393, 85.6694, 107.5259



18.3667, 18.1300, 20.5481



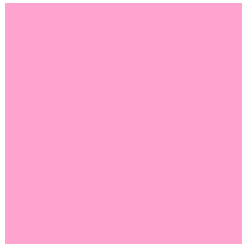
23.4099, 11.8532, 10.8088



2.3340, 1.1760, 1.3405

Previews

White Background



This preview shows how the XYZ color 65.7779, 52.3159, 65.6626 looks on a white background.

Color Contrast Check

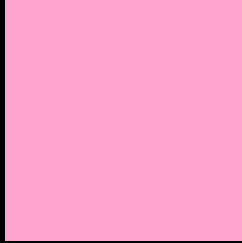
Large Text (above 18pt) WCAG AA × Fail

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 65.7779, 52.3159, 65.6626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

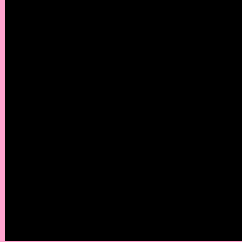
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7779, 52.3159, 65.6626

Background



This preview shows how black text looks on a background with the XYZ color 65.7779, 52.3159, 65.6626.



This preview shows how white text looks on a background with the XYZ color 65.7779, 52.3159,

65.6626.

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

65.7779, 52.3159, 65.6626

Protanopia

52.1177, 52.6478, 77.9362

Deuteranopia

53.5152, 52.4087, 63.7953



Tritanopia

62.6733, 52.4076, 50.5285

Trichromacy



Original Color

65.7779, 52.3159, 65.6626



Protanomaly

56.0427, 51.9586, 73.4049



Deuteranomaly

57.2509, 51.8884, 64.1248



Tritanomaly

63.6210, 52.2378, 55.4449

Monochromacy



Original Color

65.7779, 52.3159, 65.6626



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.1811, 53.2028, 61.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7779, 52.3159, 65.6626 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, 164, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 207)  
}
```

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, 164, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 207) }
```

Border

The CSS property to change the border of an element to XYZ 65.7779, 52.3159, 65.6626 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, 164, 207) }
```


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

```
.border{ border-color:rgb(255, 164, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 164, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 164, 207); box-shadow:4px 4px 4px 4px rgb(255, 164, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7779, 52.3159, 65.6626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 207) }
```

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

```
.background{ background-color: rgb(255,  
164, 207) }
```

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