

Converting Colors

XYZ(68.6907, 53.5405, 61.6304)

Have a look what the booklet for
XYZ(68.6907, 53.5405, 61.6304)
contains.

XYZ(64.7625, 51.6245, 61.1948)	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(64.7625, 51.6245,
61.1948)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3C8
RGB	255, 163, 200
RGB Percent	100%, 64%, 78%
CMY	0.0000, 0.3608, 0.2157
CMYK	0.00, 0.36, 0.22, 0.00
HSL	336°, 100%, 82%
HSV	336°, 36%, 100%
XYZ	64.7625, 51.6245, 61.1948
YIQ	194.7260, 42.9550, 31.0110

Conversions

Conversions Part 2

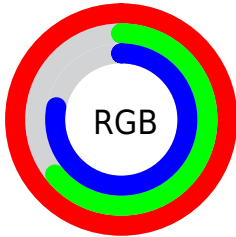
Format	Color
R _Y B	255, 163, 200
Decimal	16753608
CIE Lab	77.06, 38.88, -4.61
CIE LCh	77, 39.149, 353.239
Yxy	51.6245, 0.3647, 0.2907
Android (android.graphics.Color)	4294943688 (0xFFFFA3C8)
YUV	194.7260, 2.6001, 52.8603
Hunter-Lab	71.8502, 35.1540, -0.2022

Details

The XYZ color **64.7625, 51.6245, 61.1948** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.5211, 84.3694, 79.2703**, and the grayscale version is **51.6771, 54.3683, 59.2071**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **33.7902, 25.0975, 30.2575** is the 20% darker color. If you saturate the color by 10%, you get **58.9890, 42.7881, 50.9138**, and if you desaturate by 10%, it is **71.6290, 62.3622, 72.7180**.

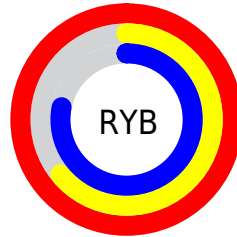
Distribution



Red (100%)

Green (64%)

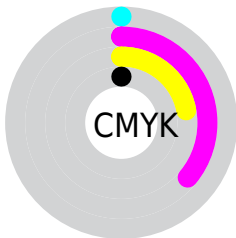
Blue (78%)



Red (100%)

Yellow (64%)

Blue (78%)

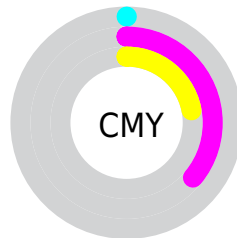


Cyan (0%)

Magenta (36%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7625, 51.6245, 61.1948 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 64.7625, 51.6245, 61.1948 by changing the saturation by 10% instead.

 64.7625, 51.6245,
61.1948


 64.7625, 51.6245,
61.1948


431.4967,
392.9853, 446.9142

 47.5325, 36.7059,
43.9508


 110.7759, 92.5772,
108.1212

 33.6665, 24.9798,
30.2949


 140.2901,
119.3801, 138.6407

 22.7992, 16.0620,
19.8086


174.6297,
150.9132, 174.4225

 14.5652, 9.5681,
12.0733

214.1601,
187.5608, 215.8851

 8.5991, 5.1135,
6.6705

259.2467,
229.7075, 263.4470

 4.5356, 2.3140,
3.1816

310.2547,

 2.0094, 0.7811,

277.7375, 317.5268

1.1881

367.5496,
332.0353, 378.5430

■ 0.6392, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7625, 51.6245,
61.1948

■ 64.7625, 51.6245,
61.1948

■ 58.9890, 42.7881,
50.9138

■ 71.6290, 62.3622,
72.7180

■ 54.2443, 35.7335,
41.8262

■ 79.6403, 75.0972,
85.5232

■ 50.4632, 30.3387,
33.8840

■ 88.8492, 89.9276,
99.6522

■ 47.5707, 26.4628,
27.0343

95.0500, 100.0000,
108.9000

■ 45.4799, 23.9416,
21.2183

■ 44.0836, 22.5712,
16.3687

■ 43.6655, 22.2302,
14.7025

Harmonies

Analogous

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



61.5013, 51.6245, 84.6069



64.7625, 51.6245, 61.1948



63.4886, 51.6245, 41.4879

Triad

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



64.7625, 51.6245, 61.1948



43.6141, 51.6245, 26.2452



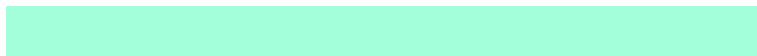
40.9615, 51.6245, 96.0388

Complementary

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



64.7625, 51.6245, 61.1948



63.5211, 84.3694, 79.2703

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.



37.0145, 51.6245, 74.0590



64.7625, 51.6245, 61.1948



38.4338, 51.6245, 35.0059

Square

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



64.7625, 51.6245, 61.1948



50.7784, 51.6245, 24.4507



36.1383, 51.6245, 51.5041



47.3955, 51.6245, 107.7718

Rectangle

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



64.7625, 51.6245, 61.1948



60.2960, 51.6245, 32.4719



36.1383, 51.6245, 51.5041



39.3275, 51.6245, 89.3721

Sweetspot

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



64.7638, 51.6268, 61.1958



84.1619, 82.3574, 92.5271



59.6654, 48.1177, 100.7507



17.7490, 17.2013, 19.3970



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.



64.7638, 51.6268, 61.1958



60.6527, 45.3114, 53.9471



62.3526, 52.9068, 41.5790



18.3120, 18.1081, 20.2604



22.8852, 11.6434, 8.0458



2.2805, 1.1546, 1.0588

Inverse Universe

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



64.7638, 51.6268, 61.1958



60.6527, 45.3114, 53.9471



66.5185, 81.7331, 106.8779



18.3120, 18.1081, 20.2604



22.8852, 11.6434, 8.0458



2.2805, 1.1546, 1.0588

Previews

White Background



This preview shows how the XYZ color 64.7625, 51.6245, 61.1948 looks on a white background.

Color Contrast Check

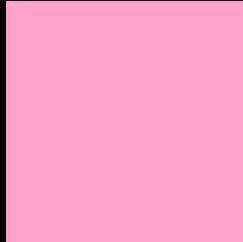
Large Text (above 18pt) WCAG AA × Fail

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 64.7625, 51.6245, 61.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

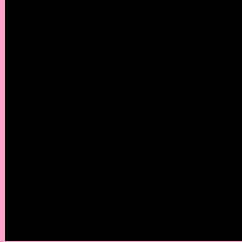
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7625, 51.6245, 61.1948

Background



This preview shows how black text looks on a background with the XYZ color 64.7625, 51.6245, 61.1948.



This preview shows how white text looks on a background with the XYZ color 64.7625, 51.6245,

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

64.7625, 51.6245, 61.1948

Protanopia

50.8420, 51.7922, 72.2830

Deuteranopia

53.0449, 51.9488, 59.4559



Tritanopia

62.4634, 51.7748, 49.3492

Trichromacy



Original Color

64.7625, 51.6245, 61.1948



Protanomaly

54.8181, 51.1445, 67.9554



Deuteranomaly

56.5407, 51.3228, 59.7496



Tritanomaly

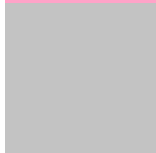
63.4789, 51.9311, 53.6917

Monochromacy



Original Color

64.7625, 51.6245, 61.1948



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.6268, 52.6499, 60.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7625, 51.6245, 61.1948 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 200) }
```

Border

The CSS property to change the border of an element to XYZ 64.7625, 51.6245, 61.1948 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, 200) }
```


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

```
.border{ border-color:rgb(255, 163, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7625, 51.6245, 61.1948 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
163, 200) }
```

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