

Converting Colors

XYZ(80.5629, 58.0783, 63.6393)

Have a look what the booklet for
XYZ(80.5629, 58.0783, 63.6393)
contains.

XYZ(64.0765, 49.6857, 62.7130)	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(64.0765, 49.6857,
62.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DCB
RGB	255, 157, 203
RGB Percent	100%, 62%, 80%
CMY	0.0000, 0.3843, 0.2039
CMYK	0.00, 0.38, 0.20, 0.00
HSL	332°, 100%, 81%
HSV	332°, 38%, 100%
XYZ	64.0765, 49.6857, 62.7130
YIQ	191.5460, 43.6420, 35.0820

Conversions

Conversions Part 2

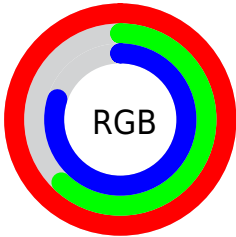
Format	Color
R _Y B	255, 157, 203
Decimal	16752075
CIE Lab	75.88, 42.40, -8.00
CIE LCh	76, 43.150, 349.320
Yxy	49.6857, 0.3631, 0.2815
Android (android.graphics.Color)	4294942155 (0xFFFF9DCB)
YUV	191.5460, 5.6468, 55.6492
Hunter-Lab	70.4881, 38.9095, -3.4084

Details

The XYZ color **64.0765, 49.6857, 62.7130** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.1751, 83.2924, 73.1778**, and the grayscale version is **49.7899, 52.3828, 57.0449**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **33.1401, 23.8063, 31.2822** is the 20% darker color. If you saturate the color by 10%, you get **58.6609, 41.3235, 53.2964**, and if you desaturate by 10%, it is **70.5354, 59.9091, 73.1730**.

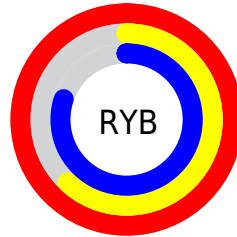
Distribution



Red (100%)

Green (62%)

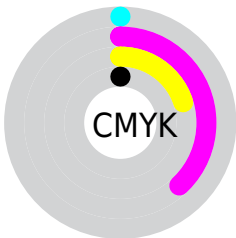
Blue (80%)



Red (100%)

Yellow (62%)

Blue (80%)

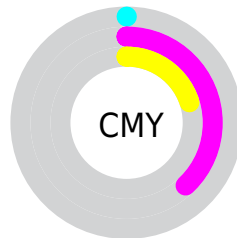


Cyan (0%)

Magenta (38%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0765, 49.6857, 62.7130 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 64.0765, 49.6857, 62.7130 by changing the saturation by 10% instead.


 64.0765, 49.6857,
62.7130


 64.0765, 49.6857,
62.7130

429.0637,
385.4356, 452.6064

 46.9745, 35.1637,
45.1696


 109.7942, 89.7090,
110.3369

 33.2234, 23.7890,
31.2471

 139.1407,
115.9792, 141.2545

 22.4577, 15.1772,
20.5270

173.2994,
146.9341, 177.4672

 14.3121, 8.9438,
12.5909

212.6357,
182.9584, 219.3935

 8.4212, 4.7046,
7.0200

257.5149,
224.4362, 267.4521

 4.4197, 2.0750,
3.3960

308.3024,

 1.9422, 0.6505,

271.7521, 322.0614

1.3002

365.3635,
325.2904, 383.6400

■ 0.6012, 0.0000,
0.0620

■ 0.0000, 0.0000,
0.0000

■ 64.0765, 49.6857,
62.7130

■ 64.0765, 49.6857,
62.7130

■ 58.6609, 41.3235,
53.2964

■ 70.5354, 59.9091,
73.1730

■ 54.2251, 34.7015,
44.8825

■ 78.0892, 72.0915,
84.7089

■ 50.7037, 29.6949,
37.4319

■ 86.7901, 86.3319,
97.3550

■ 48.0214, 26.1589,
30.9001

95.0500, 100.0000,
108.9000

■ 46.0894, 23.9227,
25.2376

■ 44.7848, 22.7475,
20.3822

■ 44.6112, 22.6085,
19.6827

Harmonies

Analogous

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



59.9255, 49.6857, 88.3367



64.0765, 49.6857, 62.7130



63.3416, 49.6857, 40.7512

Triad

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



64.0765, 49.6857, 62.7130



42.2994, 49.6857, 22.1845



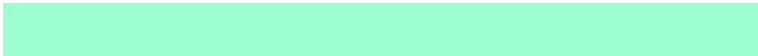
37.8602, 49.6857, 95.0296

Complementary

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



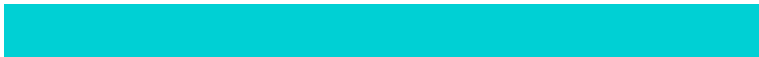
64.0765, 49.6857, 62.7130



61.1751, 83.2924, 73.1778

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.



34.1037, 49.6857, 70.0838



64.0765, 49.6857, 62.7130



36.4587, 49.6857, 30.0956

Square

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



64.0765, 49.6857, 62.7130



50.1437, 49.6857, 21.2466



33.6215, 49.6857, 46.3128



44.4213, 49.6857, 110.2106

Rectangle

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



64.0765, 49.6857, 62.7130



60.2020, 49.6857, 30.6426



33.6215, 49.6857, 46.3128



36.2609, 49.6857, 87.2267

Sweetspot

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



64.0776, 49.6879, 62.7140



83.5482, 81.0045, 92.7095



56.0183, 44.6933, 100.2819



17.6370, 16.9357, 19.4877



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.



64.0776, 49.6879, 62.7140



59.8840, 43.1904, 55.4901



59.6626, 48.3670, 38.0923



18.3642, 18.1290, 20.5352



23.3843, 11.8430, 10.6741



2.3315, 1.1750, 1.3270

Inverse Universe

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



64.0776, 49.6879, 62.7140



59.8840, 43.1904, 55.4901



67.1970, 84.8711, 107.4478



18.3642, 18.1290, 20.5352



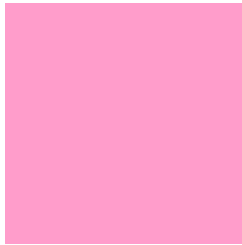
23.3843, 11.8430, 10.6741



2.3315, 1.1750, 1.3270

Previews

White Background



This preview shows how the XYZ color 64.0765, 49.6857, 62.7130 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 64.0765, 49.6857, 62.7130 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 64.0765, 49.6857, 62.7130

Background



This preview shows how black text looks on a background with the XYZ color 64.0765, 49.6857, 62.7130.



This preview shows how white text looks on a background with the XYZ color 64.0765, 49.6857,

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

64.0765, 49.6857, 62.7130

Protanopia

49.4324, 50.0416, 75.4602

Deuteranopia

51.1241, 49.9969, 60.9887



Tritanopia

60.7052, 49.5921, 46.4171

Trichromacy



Original Color

64.0765, 49.6857, 62.7130



Protanomaly

53.1997, 48.7804, 70.2300



Deuteranomaly

55.1877, 49.4294, 61.2757



Tritanomaly

61.8358, 49.5270, 52.1995

Monochromacy



Original Color

64.0765, 49.6857, 62.7130



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.1082, 50.6728, 59.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0765, 49.6857, 62.7130 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, 157, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 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, 157, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 203) }
```

Border

The CSS property to change the border of an element to XYZ 64.0765, 49.6857, 62.7130 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, 157, 203) }
```


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

```
.border{ border-color:rgb(255, 157, 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, 157, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0765, 49.6857, 62.7130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 203) }
```

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

```
.background{ background-color: rgb(255,  
157, 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