

Converting Colors

XYZ(64.4958, 50.1526, 63.9988)

Have a look what the booklet for
XYZ(64.4958, 50.1526, 63.9988)
contains.

XYZ(64.4863, 50.1215, 64.0332)	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(64.4863, 50.1215,
64.0332)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9ECD
RGB	255, 158, 205
RGB Percent	100%, 62%, 80%
CMY	0.0000, 0.3804, 0.1961
CMYK	0.00, 0.38, 0.20, 0.00
HSL	331°, 100%, 81%
HSV	331°, 38%, 100%
XYZ	64.4863, 50.1215, 64.0332
YIQ	192.3610, 42.7250, 35.1810

Conversions

Conversions Part 2

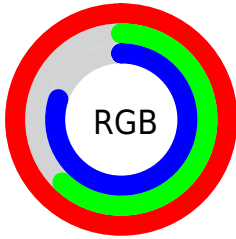
Format	Color
R _Y B	255, 158, 205
Decimal	16752333
CIE Lab	76.14, 42.18, -8.69
CIE LCh	76, 43.068, 348.353
Yxy	50.1215, 0.3610, 0.2806
Android (android.graphics.Color)	4294942413 (0xFFFF9ECD)
YUV	192.3610, 6.2310, 54.9344
Hunter-Lab	70.7965, 38.6960, -4.0683

Details

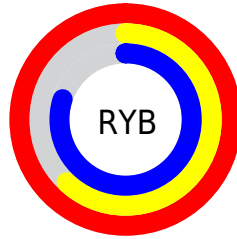
The XYZ color **64.4863, 50.1215, 64.0332** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.2477, 83.3441, 72.5370**, and the grayscale version is **50.2623, 52.8799, 57.5862**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **33.6634, 24.2078, 32.1765** is the 20% darker color. If you saturate the color by 10%, you get **59.0586, 41.6996, 54.7217**, and if you desaturate by 10%, it is **70.9521, 60.4059, 74.3497**.

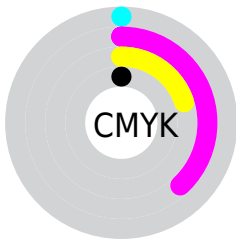
Distribution



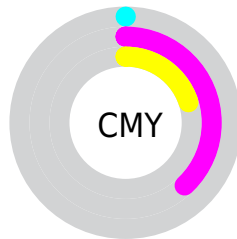
- Red (100%)
- Green (62%)
- Blue (80%)



- 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 64.4863, 50.1215, 64.0332 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 64.4863, 50.1215, 64.0332 by changing the saturation by 10% instead.


 64.4863, 50.1215,
64.0332

 64.4863, 50.1215,
64.0332


430.5181,
387.1409, 457.5203

 47.3078, 35.5099,
46.2312


 110.3808, 90.3549,
112.2587

 33.4880, 24.0560,
32.0783


 139.8276,
116.7455, 143.5192

 22.6616, 15.3751,
21.1560


174.0944,
147.8312, 180.1031

 14.4631, 9.0831,
13.0457

213.5468,
183.9965, 222.4287

 8.5273, 4.7954,
7.3290

258.5500,
225.6257, 270.9147

 4.4888, 2.1277,
3.5871

309.4693,

 1.9822, 0.6802,

273.1033, 325.9796

1.4017

366.6703,
326.8135, 388.0420

■ 0.6239, 0.0000,
0.1430

■ 0.0000, 0.0000,
0.0000

■ 64.4863, 50.1215,
64.0332

■ 64.4863, 50.1215,
64.0332

■ 59.0586, 41.6996,
54.7217

■ 70.9521, 60.4059,
74.3497

■ 54.6058, 35.0197,
46.3762

■ 78.5070, 72.6501,
85.7020

■ 51.0634, 29.9577,
38.9591

■ 87.2026, 86.9526,
98.1228

■ 48.3565, 26.3698,
32.4281

95.0500, 100.0000,
108.9000

■ 46.3976, 24.0866,
26.7358

■ 45.0687, 22.8784,
21.8237

■ 44.8497, 22.7039,
20.9385

Harmonies

Analogous

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



60.1831, 50.1215, 89.7007



64.4863, 50.1215, 64.0332



63.9139, 50.1215, 41.7577

Triad

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



64.4863, 50.1215, 64.0332



42.9240, 50.1215, 22.3575



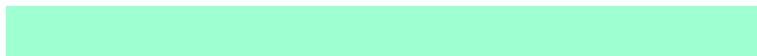
38.0647, 50.1215, 94.9115

Complementary

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



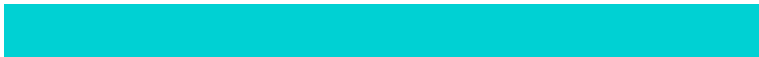
64.4863, 50.1215, 64.0332



61.2477, 83.3441, 72.5370

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.



34.3918, 50.1215, 69.7757



64.4863, 50.1215, 64.0332



36.9715, 50.1215, 30.0737

Square

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



64.4863, 50.1215, 64.0332



50.8366, 50.1215, 21.6244



34.0156, 50.1215, 46.0951



44.5784, 50.1215, 110.6062

Rectangle

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



64.4863, 50.1215, 64.0332



60.8548, 50.1215, 31.4066



34.0156, 50.1215, 46.0951



36.4901, 50.1215, 87.0062

Sweetspot

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



64.4875, 50.1237, 64.0342



84.5040, 82.4943, 94.3289



55.8715, 44.8699, 100.3237



17.8304, 17.2339, 19.8255



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.



64.4875, 50.1237, 64.0342



60.0831, 43.2700, 56.5387



59.6401, 48.1848, 38.5079



18.3761, 18.1337, 20.5975



23.5097, 11.8932, 11.3343



2.3440, 1.1800, 1.3928

Inverse Universe

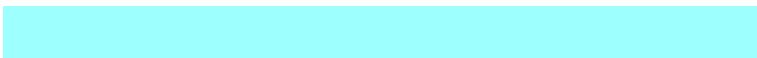
The Inverse Universe completely reimagines the original color for something new.



64.4875, 50.1237, 64.0342



60.0831, 43.2700, 56.5387



67.9118, 86.0098, 107.6300



18.3761, 18.1337, 20.5975



23.5097, 11.8932, 11.3343



2.3440, 1.1800, 1.3928

Previews

White Background



This preview shows how the XYZ color 64.4863, 50.1215, 64.0332 looks on a white background.

Color Contrast Check

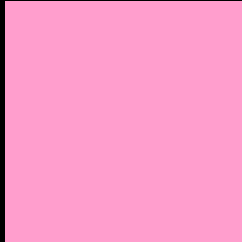
Large Text (above 18pt) WCAG AA × Fail

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 64.4863, 50.1215, 64.0332 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 64.4863, 50.1215, 64.0332

Background



This preview shows how black text looks on a background with the XYZ color 64.4863, 50.1215, 64.0332.



This preview shows how white text looks on a background with the XYZ color 64.4863, 50.1215,

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

64.4863, 50.1215, 64.0332

Protanopia

50.1457, 50.6921, 76.9536

Deuteranopia

51.5635, 50.5015, 62.2884



Tritanopia

61.0785, 50.0244, 47.5108

Trichromacy



Original Color

64.4863, 50.1215, 64.0332



Protanomaly

53.9324, 49.4184, 71.6619



Deuteranomaly

55.6155, 49.9085, 62.5792



Tritanomaly

62.2225, 49.9602, 53.3775

Monochromacy



Original Color

64.4863, 50.1215, 64.0332



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.4236, 51.1208, 59.8222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4863, 50.1215, 64.0332 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, 158, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 205)  
}
```

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, 158, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 205) }
```

Border

The CSS property to change the border of an element to XYZ 64.4863, 50.1215, 64.0332 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, 158, 205) }
```


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

```
.border{ border-color:rgb(255, 158, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4863, 50.1215, 64.0332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 205) }
```

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

```
.background{ background-color: rgb(255,  
158, 205) }
```

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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