

Converting Colors

XYZ(64.5039, 50.8922, 77.6942)

Have a look what the booklet for
XYZ(64.5039, 50.8922, 77.6942)
contains.

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Color

**XYZ(64.5170, 50.8697,
77.6526)**

Conversions

Conversions Part 1

Format	Color
Hex	F6A2E1
RGB	246, 162, 225
RGB Percent	96%, 64%, 88%
CMY	0.0353, 0.3647, 0.1176
CMYK	0.00, 0.34, 0.09, 0.04
HSL	315°, 82%, 80%
HSV	315°, 34%, 96%
XYZ	64.5170, 50.8697, 77.6526
YIQ	194.2980, 29.8410, 37.4010

Conversions

Conversions Part 2

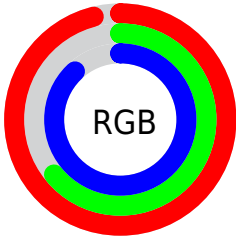
Format	Color
R _Y B	246, 162, 225
Decimal	16163553
CIE Lab	76.60, 40.28, -19.03
CIE LCh	77, 44.554, 334.711
Yxy	50.8697, 0.3342, 0.2635
Android (android.graphics.Color)	4294353633 (0xFFF6A2E1)
YUV	194.2980, 15.1361, 45.3427
Hunter-Lab	71.3230, 36.6514, -14.6256

Details

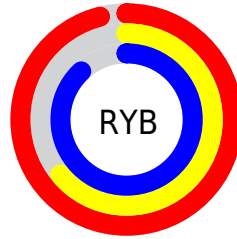
The XYZ color **64.5170, 50.8697, 77.6526** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.4055, 77.0134, 56.6952**, and the grayscale version is **51.3567, 54.0313, 58.8401**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **33.4634, 24.5309, 41.0014** is the 20% darker color. If you saturate the color by 10%, you get **59.7764, 42.7065, 72.0073**, and if you desaturate by 10%, it is **70.1385, 60.7447, 83.7417**.

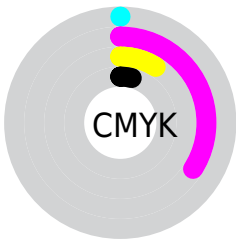
Distribution



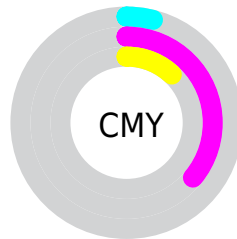
- Red (96%)
- Green (64%)
- Blue (88%)



- Red (96%)
- Yellow (64%)
- Blue (88%)



- Cyan (0%)
- Magenta (34%)
- Yellow (9%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5170, 50.8697, 77.6526 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 64.5170, 50.8697, 77.6526 by changing the saturation by 10% instead.


 64.5170, 50.8697,
77.6526

 64.5170, 50.8697,
77.6526


430.6269,
390.0573, 506.4828

 47.3328, 36.1049,
57.2739

 110.4247, 91.4621,
131.8417

 33.5079, 24.5152,
40.8144


 139.8790,
118.0586, 166.4892

 22.6769, 15.7163,
27.8554


174.1539,
149.3677, 206.7300

 14.4745, 9.3236,
17.9786

213.6150,
185.7739, 252.9826

 8.5353, 4.9529,
10.7654

258.6274,
227.6616, 305.6657

 4.4940, 2.2196,
5.7971

309.5567,

 1.9852, 0.7307,

275.4151, 365.1977

2.6553

366.7681,
329.4189, 431.9973

■ 0.6256, 0.0000,
0.9208

■ 0.0000, 0.0000,
0.0000

■ 64.5170, 50.8697,
77.6526

■ 64.5170, 50.8697,
77.6526

■ 59.7764, 42.7065,
72.0073

■ 70.1385, 60.7447,
83.7417

■ 55.8621, 36.1488,
66.7846

■ 76.6822, 72.4161,
90.2883

■ 52.7206, 31.0893,
61.9654

■ 84.1922, 85.9708,
97.3092

■ 50.2898, 27.4043,
57.5275

■ 90.9596, 97.9903,
104.2362

■ 48.4978, 24.9507,
53.4454

■ 91.8165, 98.3331,
108.7487

■ 47.2567, 23.5532,
49.6881

■ 46.7104, 23.0746,
47.6129

Harmonies

Analogous

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



58.1685, 50.8697, 102.9198



64.5170, 50.8697, 77.6526



66.3485, 50.8697, 51.6667

Triad

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



64.5170, 50.8697, 77.6526



47.0325, 50.8697, 20.8359



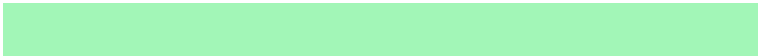
36.2242, 50.8697, 86.2120

Complementary

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



64.5170, 50.8697, 77.6526



56.4055, 77.0134, 56.6952

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.



33.9421, 50.8697, 59.2848



64.5170, 50.8697, 77.6526



39.7038, 50.8697, 25.3458

Square

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



64.5170, 50.8697, 77.6526



55.6019, 50.8697, 23.1509



35.1383, 50.8697, 37.8472



41.7580, 50.8697, 108.7839

Rectangle

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



64.5170, 50.8697, 77.6526



64.6007, 50.8697, 38.1771



35.1383, 50.8697, 37.8472



35.0826, 50.8697, 77.1227

Sweetspot

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



64.5186, 50.8720, 77.6537



86.4382, 84.3919, 101.0493



49.0856, 42.5644, 92.8185



18.2609, 17.6301, 21.4016



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.



64.5186, 50.8720, 77.6537



66.3417, 48.8660, 79.9623



59.4755, 48.8548, 51.0974



17.0262, 16.6933, 19.8847



24.9910, 12.3398, 25.7249



2.2373, 1.1009, 2.4761

Inverse Universe

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



64.5186, 50.8720, 77.6537



66.3417, 48.8660, 79.9623



61.4485, 79.0307, 83.2516



17.0262, 16.6933, 19.8847



24.9910, 12.3398, 25.7249



2.2373, 1.1009, 2.4761

Previews

White Background



This preview shows how the XYZ color 64.5170, 50.8697, 77.6526 looks on a white background.

Color Contrast Check

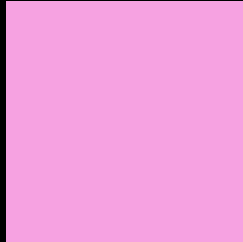
Large Text (above 18pt) WCAG AA × Fail

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 64.5170, 50.8697, 77.6526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

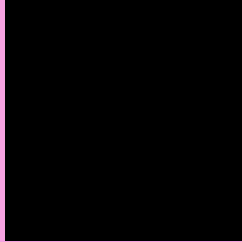
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5170, 50.8697, 77.6526

Background



This preview shows how black text looks on a background with the XYZ color 64.5170, 50.8697, 77.6526.



This preview shows how white text looks on a background with the XYZ color 64.5170, 50.8697,

77.6526.

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

64.5170, 50.8697, 77.6526

Protanopia

51.6272, 51.1257, 91.9412

Deuteranopia

52.3924, 51.2558, 75.5386



Tritanopia

59.1976, 50.8691, 51.4984

Trichromacy



Original Color

64.5170, 50.8697, 77.6526



Protanomaly

55.1481, 50.3144, 86.1619



Deuteranomaly

56.0583, 50.7153, 75.9417



Tritanomaly

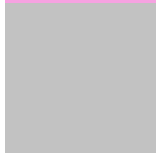
60.9739, 50.7693, 60.0119

Monochromacy



Original Color

64.5170, 50.8697, 77.6526



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

55.1880, 52.0098, 64.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5170, 50.8697, 77.6526 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(246, 162, 225)` looks like.

```
.text, #text, p{  
    color:rgb(246, 162, 225)  
}
```

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(246, 162, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 162, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.5170, 50.8697, 77.6526 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(246, 162, 225) }
```


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

```
.border{ border-color:rgb(246, 162, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 162, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 162, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 162, 225); box-shadow:4px 4px 4px 4px rgb(246, 162, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5170, 50.8697, 77.6526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 162, 225) }
```

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

```
.background{ background-color: rgb(246,  
162, 225) }
```

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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