

Converting Colors

XYZ(67.1298, 46.9597, 80.1455)

Have a look what the booklet for
XYZ(67.1298, 46.9597, 80.1455)
contains.

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Color

**XYZ(64.9010, 45.7293,
80.2689)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE6
RGB	255, 140, 230
RGB Percent	100%, 55%, 90%
CMY	0.0000, 0.4510, 0.0980
CMYK	0.00, 0.45, 0.10, 0.00
HSL	313°, 100%, 77%
HSV	313°, 45%, 100%
XYZ	64.9010, 45.7293, 80.2689
YIQ	184.6450, 39.6500, 52.3700

Conversions

Conversions Part 2

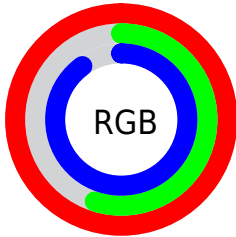
Format	Color
R _Y B	255, 140, 230
Decimal	16747750
CIE _{Lab}	73.37, 55.08, -26.59
CIE _{LCh}	73, 61.160, 334.233
Yxy	45.7293, 0.3400, 0.2395
Android (android.graphics.Color)	4294937830 (0xFFFF8CE6)
YUV	184.6450, 22.3600, 61.7013
Hunter-Lab	67.6234, 52.9728, -23.0407

Details

The XYZ color **64.9010, 45.7293, 80.2689** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.3683, 79.8128, 48.1925**, and the grayscale version is **45.7826, 48.1669, 52.4538**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **33.6534, 21.2888, 42.3798** is the 20% darker color. If you saturate the color by 10%, you get **60.8312, 38.8158, 75.1326**, and if you desaturate by 10%, it is **69.8608, 54.3829, 85.8252**.

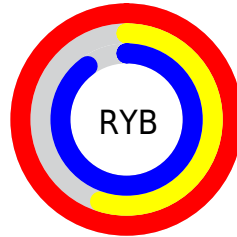
Distribution



Red (100%)

Green (55%)

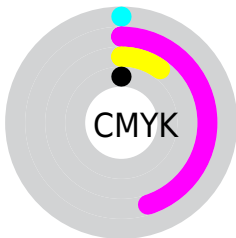
Blue (90%)



Red (100%)

Yellow (55%)

Blue (90%)

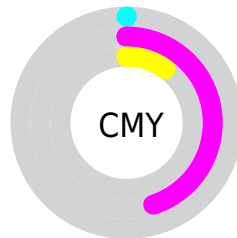


Cyan (0%)

Magenta (45%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9010, 45.7293, 80.2689 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 64.9010, 45.7293, 80.2689 by changing the saturation by 10% instead.

64.9010, 45.7293,
80.2689

64.9010, 45.7293,
80.2689

431.9870,
369.7193, 515.5692

47.6452, 32.0323,
59.4122

110.9740, 83.8137,
135.5585

33.7561, 21.3861,
42.5228

140.5220,
108.9699, 170.8285

22.8683, 13.4065,
29.1823

174.8980,
138.7146, 211.7401

14.6164, 7.7091,
18.9720

214.4675,
173.4321, 258.7116

8.6352, 3.9094,
11.4734

259.5957,
213.5070, 312.1618

4.5592, 1.6230,
6.2681

310.6482,

2.0231, 0.3730,

259.3236, 372.5091

2.9373

367.9901,
311.2662, 440.1720

■ 0.6469, 0.0000,
1.0627

■ 0.0000, 0.0000,
0.0000

■ 64.9010, 45.7293,
80.2689

■ 64.9010, 45.7293,
80.2689

■ 60.8312, 38.8158,
75.1326

■ 69.8608, 54.3829,
85.8252

■ 57.5877, 33.5157,
70.3922

■ 75.7625, 64.8804,
91.8181

■ 55.1029, 29.6943,
66.0246

■ 82.6575, 77.3242,
98.2665

■ 53.2971, 27.1922,
62.0022

■ 90.5925, 91.8073,
105.1870

■ 52.0719, 25.8131, 95.0500, 100.0000,
58.2908 108.9000

■ 51.6144, 25.4098,
56.5610

Harmonies

Analogous

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



56.1817, 45.7293, 116.6555



64.9010, 45.7293, 80.2689



67.5517, 45.7293, 45.5423

Triad

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



64.9010, 45.7293, 80.2689



41.9542, 45.7293, 10.9802



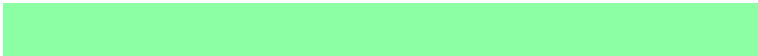
28.4968, 45.7293, 91.1474

Complementary

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



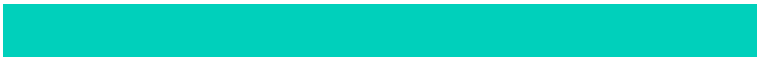
64.9010, 45.7293, 80.2689



53.3683, 79.8128, 48.1925

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.



25.9149, 45.7293, 54.2970



64.9010, 45.7293, 80.2689



32.8273, 45.7293, 15.0992

Square

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



64.9010, 45.7293, 80.2689



53.0994, 45.7293, 13.2088



27.3591, 45.7293, 28.2086



35.0715, 45.7293, 124.5465

Rectangle

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



64.9010, 45.7293, 80.2689



65.2076, 45.7293, 29.2054



27.3591, 45.7293, 28.2086



27.1874, 45.7293, 78.3066

Sweetspot

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



64.9020, 45.7312, 80.2698



83.4753, 78.8099, 99.0014



42.9297, 33.9689, 98.9018



17.5250, 16.2473, 20.8817



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.



64.9020, 45.7312, 80.2698



61.2357, 39.4924, 75.6757



58.1220, 43.0192, 44.5665



18.6136, 18.2288, 21.8486



27.0275, 13.3003, 29.8590



2.6715, 1.3110, 3.1175

Inverse Universe

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



64.9020, 45.7312, 80.2698



61.2357, 39.4924, 75.6757



59.8172, 82.3924, 82.1523



18.6136, 18.2288, 21.8486



27.0275, 13.3003, 29.8590



2.6715, 1.3110, 3.1175

Previews

White Background



This preview shows how the XYZ color 64.9010, 45.7293, 80.2689 looks on a white background.

Color Contrast Check

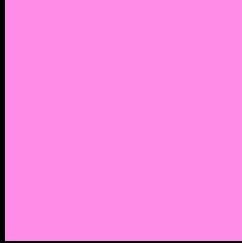
Large Text (above 18pt) WCAG AA × Fail

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 64.9010, 45.7293, 80.2689 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 64.9010, 45.7293, 80.2689

Background



This preview shows how black text looks on a background with the XYZ color 64.9010, 45.7293, 80.2689.



This preview shows how white text looks on a background with the XYZ color 64.9010, 45.7293,

80.2689.

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

64.9010, 45.7293, 80.2689

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.0812, 46.0562, 76.9293



Tritanopia

57.0585, 45.7843, 41.4272

Trichromacy



Original Color

64.9010, 45.7293, 80.2689



Protanomaly

51.9023, 44.5422, 93.0507



Deuteranomaly

52.1798, 45.0210, 77.8913



Tritanomaly

59.7164, 45.6782, 53.8135

Monochromacy



Original Color

64.9010, 45.7293, 80.2689



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

51.3089, 46.2946, 61.4898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9010, 45.7293, 80.2689 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, 140, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 230)  
}
```

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, 140, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 230) }
```

Border

The CSS property to change the border of an element to XYZ 64.9010, 45.7293, 80.2689 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, 140, 230) }
```


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

```
.border{ border-color:rgb(255, 140, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9010, 45.7293, 80.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 230) }
```

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

```
.background{ background-color: rgb(255,  
140, 230) }
```

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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