

Converting Colors

XYZ(49.7110, 26.6859, 40.2561)

Have a look what the booklet for
XYZ(49.7110, 26.6859, 40.2561)
contains.

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Color

**XYZ(49.6745, 26.6708,
40.0660)**

Conversions

Conversions Part 1

Format	Color
Hex	FF35A9
RGB	255, 53, 169
RGB Percent	100%, 21%, 66%
CMY	0.0000, 0.7921, 0.3373
CMYK	0.00, 0.79, 0.34, 0.00
HSL	326°, 100%, 60%
HSV	326°, 79%, 100%
XYZ	49.6745, 26.6708, 40.0660
YIQ	126.6220, 83.1560, 78.9000

Conversions

Conversions Part 2

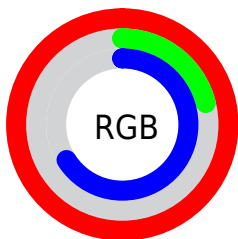
Format	Color
R _Y B	255, 53, 169
Decimal	16725417
CIE Lab	58.67, 80.90, -14.58
CIE LCh	59, 82.206, 349.784
Yxy	26.6708, 0.4267, 0.2291
Android (android.graphics.Color)	4294915497 (0xFFFF35A9)
YUV	126.6220, 20.8924, 112.5875
Hunter-Lab	51.6438, 81.3168, -9.8474

Details

The XYZ color **49.6745, 26.6708, 40.0660** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.8904, 74.1418, 36.5350**, and the grayscale version is **19.9568, 20.9961, 22.8648**.

A 20% lighter version of the original color is **61.5319, 40.3166, 75.0598**, and **25.2032, 12.6218, 17.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.8277, 24.5413, 34.6286**, and if you desaturate by 10%, it is **52.2249, 30.0719, 46.1560**.

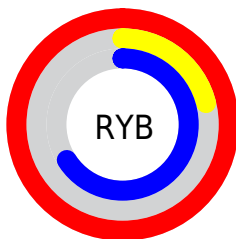
Distribution



Red (100%)

Green (21%)

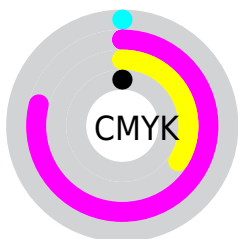
Blue (66%)



Red (100%)

Yellow (21%)

Blue (66%)

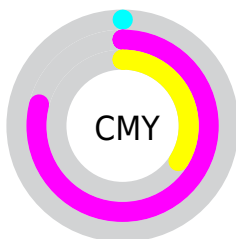


Cyan (0%)

Magenta (79%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6745, 26.6708, 40.0660 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 49.6745, 26.6708, 40.0660 by changing the saturation by 10% instead.


 49.6745, 26.6708,
40.0660


 49.6745, 26.6708,
40.0660

375.8647,
286.0596, 361.9620

 35.3716, 17.3261,
27.2758


 88.8871, 54.3552,
76.5022


 24.1171, 10.4673,
17.5462


 114.5275, 73.4636,
100.9853


 15.5457, 5.7099,
10.4586


 144.6778, 96.5955,
130.2031

 9.2921, 2.6695,
5.5945

 179.7033,
124.1352, 164.5742

 4.9908, 0.9617,
2.5354

 219.9694,
156.4670, 204.5171

 2.2766, 0.0000,
0.8588

265.8414,

 0.7826, 0.0000,

193.9755, 250.4504

0.0000

317.6848,
237.0449, 302.7925

■ 0.0000, 0.0000,
0.0000

■ 49.6745, 26.6708,
40.0660

■ 49.6745, 26.6708,
40.0660

■ 47.8277, 24.5413,
34.6286

■ 52.2249, 30.0719,
46.1560

■ 46.5508, 23.4193,
29.7885

■ 55.5645, 34.9129,
52.9362

■ 46.4616, 23.3486,
29.4268

■ 59.7685, 41.3409,
60.4414

■ 64.9019, 49.4832,
68.7023

■ 71.0236, 59.4545,
77.7474

■ 78.1871, 71.3592,
87.6031

■ 86.4422, 85.2938,
98.2945

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.2640, 26.6708, 81.8033



49.6745, 26.6708, 40.0660



48.3728, 26.6708, 13.9868

Triad

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



49.6745, 26.6708, 40.0660



19.3270, 26.6708, 1.8466



14.7626, 26.6708, 95.6012

Complementary

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



49.6745, 26.6708, 40.0660



41.8904, 74.1418, 36.5350

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.



11.1128, 26.6708, 52.2327



49.6745, 26.6708, 40.0660



13.2218, 26.6708, 5.8949

Square

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



49.6745, 26.6708, 40.0660



28.9533, 26.6708, 1.4898



10.6359, 26.6708, 20.2487



22.0584, 26.6708, 125.4016

Rectangle

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



49.6745, 26.6708, 40.0660



43.3984, 26.6708, 6.0065



10.6359, 26.6708, 20.2487



13.1610, 26.6708, 81.1646

Sweetspot

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



49.6753, 26.6723, 40.0664



74.6221, 65.4085, 82.7788



29.6693, 15.1009, 95.9587



15.4388, 13.1162, 16.9764



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.



49.6753, 26.6723, 40.0664



47.0365, 23.8038, 31.7596



43.6145, 24.2480, 8.1508



18.4466, 18.1620, 20.9689



24.3535, 12.2307, 15.7779



2.4259, 1.2127, 1.8243

Inverse Universe

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



49.6753, 26.6723, 40.0664



47.0365, 23.8038, 31.7596



52.6863, 78.4602, 93.3858



18.4466, 18.1620, 20.9689



24.3535, 12.2307, 15.7779



2.4259, 1.2127, 1.8243

Previews

White Background



This preview shows how the XYZ color 49.6745, 26.6708, 40.0660 looks on a white background.

Color Contrast Check

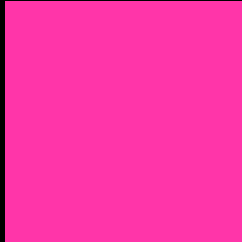
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6745, 26.6708, 40.0660 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 × Fail

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

XYZ 49.6745, 26.6708, 40.0660

Background



This preview shows how black text looks on a background with the XYZ color 49.6745, 26.6708, 40.0660.



This preview shows how white text looks on a background with the XYZ color 49.6745, 26.6708,

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

49.6745, 26.6708, 40.0660

Protanopia

29.2996, 27.1925, 77.1032

Deuteranopia

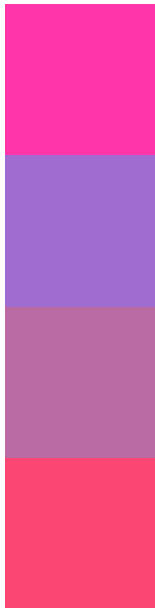
27.3791, 26.8832, 36.5468



Tritanopia

43.5753, 26.5329, 11.4190

Trichromacy



Original Color

49.6745, 26.6708, 40.0660

Protanomaly

31.3230, 22.8072, 61.7828

Deuteranomaly

32.1183, 23.5988, 37.5125

Tritanomaly

45.1262, 26.1505, 19.1921

Monochromacy



Original Color

49.6745, 26.6708, 40.0660

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

26.8952, 20.0660, 28.0468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6745, 26.6708, 40.0660 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, 53, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 169)  
}
```

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, 53, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.6745, 26.6708, 40.0660 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, 53, 169) }
```


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

```
.border{ border-color:rgb(255, 53, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 53, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 53, 169); box-shadow:4px 4px 4px 4px rgb(255, 53, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6745, 26.6708, 40.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 169) }
```

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

```
.background{ background-color: rgb(255, 53,  
169) }
```

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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