

Converting Colors

XYZ(46.7984, 24.2365, 34.1943)

Have a look what the booklet for
XYZ(46.7984, 24.2365, 34.1943)
contains.

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Color

**XYZ(46.7745, 24.2175,
34.1074)**

Conversions

Conversions Part 1

Format	Color
Hex	FC219D
RGB	252, 33, 157
RGB Percent	99%, 13%, 62%
CMY	0.0118, 0.8705, 0.3843
CMYK	0.00, 0.87, 0.38, 0.01
HSL	326°, 97%, 56%
HSV	326°, 87%, 99%
XYZ	46.7745, 24.2175, 34.1074
YIQ	112.6170, 90.7200, 84.9920

Conversions

Conversions Part 2

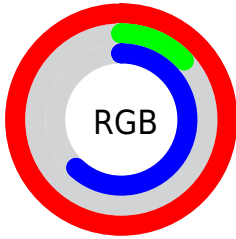
Format	Color
R_{YB}	252, 33, 157
Decimal	16523677
CIE _{Lab}	56.30, 83.10, -11.17
CIE _{LCh}	56, 83.842, 352.347
Y _{xy}	24.2175, 0.4451, 0.2304
Android (android.graphics.Color)	4294713757 (0xFFFC219D)
YUV	112.6170, 21.8808, 122.2389
Hunter-Lab	49.2113, 83.5415, -6.6449

Details

The XYZ color **46.7745, 24.2175, 34.1074** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.3363, 71.5036, 32.1591**, and the grayscale version is **15.5052, 16.3127, 17.7645**.

A 20% lighter version of the original color is **58.5923, 36.9507, 66.3314**, and **23.8367, 11.9878, 14.6932** is the 20% darker color. If you saturate the color by 10%, you get **45.4233, 22.9427, 29.2560**, and if you desaturate by 10%, it is **48.7309, 26.5690, 39.5730**.

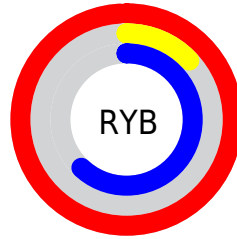
Distribution



Red (99%)

Green (13%)

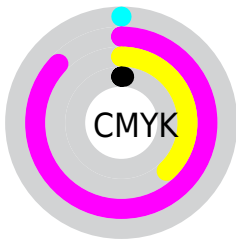
Blue (62%)



Red (99%)

Yellow (13%)

Blue (62%)

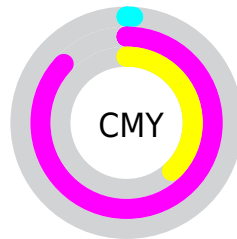


Cyan (0%)

Magenta (87%)

Yellow (38%)

Black (1%)



Cyan (1%)


Magenta (87%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7745, 24.2175, 34.1074 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 46.7745, 24.2175, 34.1074 by changing the saturation by 10% instead.

 46.7745, 24.2175,
34.1074


 46.7745, 24.2175,
34.1074


364.5777,
273.9182, 335.3944


 33.0646, 15.4950,
22.6981

 84.5977, 50.3849,
67.2365


 22.3354, 9.1675,
14.1675


 109.4418, 68.5986,
89.7933


 14.2216, 4.8506,
8.0972


 138.7279, 90.7449,
116.9030

 8.3577, 2.1599,
4.0685

 172.8215,
117.2081, 148.9842

 4.3784, 0.6980,
1.6630

 212.0880,
148.3727, 186.4554

 1.9183, 0.0000,
0.3352

256.8926,

 0.5875, 0.0000,

184.6229, 229.7352

0.0000

307.6007,
226.3433, 279.2420

■ 0.0000, 0.0000,
0.0000

■ 46.7745, 24.2175,
34.1074

■ 46.7745, 24.2175,
34.1074

■ 45.4233, 22.9427,
29.2560

■ 48.7309, 26.5690,
39.5730

■ 45.0780, 22.6687,
27.8563

■ 51.3938, 30.1965,
45.6964

■ 54.8458, 35.2618,
52.5153

■ 59.1568, 41.9018,
60.0626

■ 64.3886, 50.2369,
68.3683

70.5971, 60.3761,
77.4601

77.8335, 72.4188,
87.3638

86.1454, 86.4575,
98.1039

93.9548, 99.4354,
108.8487

Harmonies

Analogous

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



41.0807, 24.2175, 74.0501



46.7745, 24.2175, 34.1074



44.8293, 24.2175, 10.8721

Triad

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



46.7745, 24.2175, 34.1074



16.6526, 24.2175, 1.4238



13.4326, 24.2175, 94.9002

Complementary

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



46.7745, 24.2175, 34.1074



39.3363, 71.5036, 32.1591

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.



9.7568, 24.2175, 52.2108



46.7745, 24.2175, 34.1074



11.2205, 24.2175, 5.3924

Square

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



46.7745, 24.2175, 34.1074



25.5816, 24.2175, 0.9776



9.0793, 24.2175, 19.8992



20.6317, 24.2175, 122.0532

Rectangle

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



46.7745, 24.2175, 34.1074



39.6585, 24.2175, 4.3147



9.0793, 24.2175, 19.8992



11.8372, 24.2175, 80.8951

Sweetspot

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



46.7752, 24.2189, 34.1078



73.1331, 63.0302, 80.4333



27.0044, 12.6999, 93.1233



15.1484, 12.6593, 16.4978



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.



46.7752, 24.2189, 34.1078



46.3025, 23.2850, 28.5886



41.2151, 21.9948, 4.8289



17.6563, 17.3899, 20.0459



23.5571, 11.8385, 14.9078



2.2350, 1.1177, 1.6609

Inverse Universe

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



46.7752, 24.2189, 34.1078



46.3025, 23.2850, 28.5886



50.7832, 76.0824, 92.4375



17.6563, 17.3899, 20.0459



23.5571, 11.8385, 14.9078



2.2350, 1.1177, 1.6609

Previews

White Background



This preview shows how the XYZ color 46.7745, 24.2175, 34.1074 looks on a white background.

Color Contrast Check

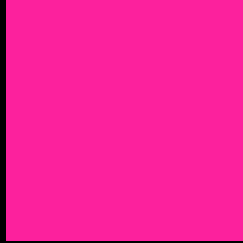
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7745, 24.2175, 34.1074 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 46.7745, 24.2175, 34.1074

Background



This preview shows how black text looks on a background with the XYZ color 46.7745, 24.2175, 34.1074.



This preview shows how white text looks on a background with the XYZ color 46.7745, 24.2175,

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

46.7745, 24.2175, 34.1074

Protanopia

26.6726, 24.7091, 71.0737

Deuteranopia

24.9412, 24.5071, 30.6099



Tritanopia

41.5304, 24.3506, 8.3056

Trichromacy



Original Color

46.7745, 24.2175, 34.1074



Protanomaly

28.0630, 19.6485, 55.1368



Deuteranomaly

29.2163, 20.6350, 31.2973



Tritanomaly

42.8314, 23.8314, 14.9128

Monochromacy



Original Color

46.7745, 24.2175, 34.1074



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.4426, 15.8181, 22.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7745, 24.2175, 34.1074 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(252, 33, 157)` looks like.

```
.text, #text, p{  
    color:rgb(252, 33, 157)  
}
```

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(252, 33, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 33, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.7745, 24.2175, 34.1074 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(252, 33, 157) }
```


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

```
.border{ border-color:rgb(252, 33, 157) }
```

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

Here you see how a box with a 4 pixel rgb(252, 33, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 33, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 33, 157);  
box-shadow:4px 4px 4px 4px rgb(252, 33,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7745, 24.2175, 34.1074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 33, 157) }
```

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

```
.background{ background-color: rgb(252, 33,  
157) }
```

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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