

Converting Colors

XYZ(49.4202, 25.6546, 41.5459)

Have a look what the booklet for
XYZ(49.4202, 25.6546, 41.5459)
contains.

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Color

**XYZ(49.3795, 25.6248,
41.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	FF26AC
RGB	255, 38, 172
RGB Percent	100%, 15%, 67%
CMY	0.0000, 0.8509, 0.3255
CMYK	0.00, 0.85, 0.33, 0.00
HSL	323°, 100%, 57%
HSV	323°, 85%, 100%
XYZ	49.3795, 25.6248, 41.3732
YIQ	118.1590, 86.3180, 87.6780

Conversions

Conversions Part 2

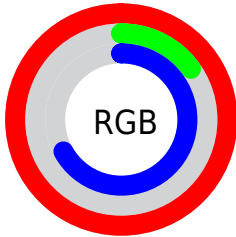
Format	Color
RYB	255, 38, 172
Decimal	16721580
CIELab	57.68, 84.37, -17.83
CIELCh	58, 86.231, 348.069
Yxy	25.6248, 0.4243, 0.2202
Android (android.graphics.Color)	4294911660 (0xFFFF26AC)
YUV	118.1590, 26.5436, 120.0096
Hunter-Lab	50.6209, 85.5358, -13.0239

Details

The XYZ color **49.3795, 25.6248, 41.3732** 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 **40.0126, 73.3135, 30.1381**, and the grayscale version is **17.1737, 18.0680, 19.6761**.

A 20% lighter version of the original color is **60.8993, 38.3944, 76.8742**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **47.9214, 24.1532, 36.4335**, and if you desaturate by 10%, it is **51.4647, 28.2404, 46.8616**.

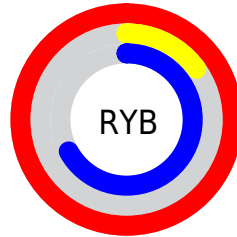
Distribution



Red (100%)

Green (15%)

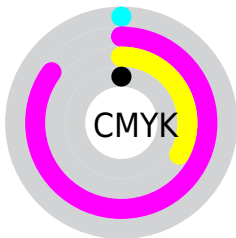
Blue (67%)



Red (100%)

Yellow (15%)

Blue (67%)

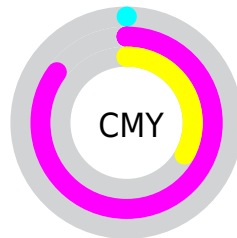


Cyan (0%)

Magenta (85%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3795, 25.6248, 41.3732 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 49.3795, 25.6248, 41.3732 by changing the saturation by 10% instead.


 49.3795, 25.6248,
41.3732

 49.3795, 25.6248,
41.3732

374.7266,
280.9354, 367.6007

 35.1364, 16.5432,
28.2889


 88.4522, 52.6690,
78.5099


 23.9350, 9.9093,
18.3026

 114.0124, 71.4004,
103.3994


 15.4099, 5.3389,
10.9958


 144.0758, 94.1172,
133.0611

 9.1957, 2.4474,
5.9499

 179.0076,
121.2037, 167.9135

 4.9272, 0.8501,
2.7463

 219.1733,
153.0444, 208.3751

 2.2389, 0.0000,
0.9666

264.9381,

 0.7631, 0.0000,

190.0236, 254.8645

0.0000

316.6674,
232.5258, 307.8002

■ 0.0000, 0.0000,
0.0000

■ 49.3795, 25.6248,
41.3732

■ 49.3795, 25.6248,
41.3732

■ 47.9214, 24.1532,
36.4335

■ 51.4647, 28.2404,
46.8616

■ 47.3648, 23.7099,
34.1829

■ 54.2743, 32.1924,
52.9377

■ 57.8900, 37.6422,
59.6355

■ 62.3814, 44.7266,
66.9850

■ 67.8103, 53.5672,
75.0132

74.2326, 64.2739,
83.7450

81.6998, 76.9476,
93.2035

90.2595, 91.6816,
103.4108

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.



42.2971, 25.6248, 85.6959



49.3795, 25.6248, 41.3732



48.5041, 25.6248, 13.7283

Triad

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



49.3795, 25.6248, 41.3732



18.7060, 25.6248, 1.2448



13.3582, 25.6248, 95.1100

Complementary

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



49.3795, 25.6248, 41.3732



40.0126, 73.3135, 30.1381

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.



9.9444, 25.6248, 49.4942



49.3795, 25.6248, 41.3732



12.3769, 25.6248, 4.5513

Square

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



49.3795, 25.6248, 41.3732



28.6917, 25.6248, 1.0570



9.6449, 25.6248, 17.7258



20.4800, 25.6248, 128.5854

Rectangle

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



49.3795, 25.6248, 41.3732



43.5512, 25.6248, 5.4846



9.6449, 25.6248, 17.7258



11.8375, 25.6248, 79.6453

Sweetspot

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



49.3802, 25.6262, 41.3736



73.6053, 63.2191, 82.9202



26.1582, 12.4299, 95.6283



15.2606, 12.7042, 17.0884



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.



49.3802, 25.6262, 41.3736



47.3648, 23.7099, 34.1829



42.9455, 23.0523, 7.4887



18.4809, 18.1757, 21.1495



24.8243, 12.4190, 18.2569



2.4704, 1.2305, 2.0585

Inverse Universe

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



49.3802, 25.6262, 41.3736



47.3648, 23.7099, 34.1829



50.2972, 77.4273, 84.2956



18.4809, 18.1757, 21.1495



24.8243, 12.4190, 18.2569



2.4704, 1.2305, 2.0585

Previews

White Background



This preview shows how the XYZ color 49.3795, 25.6248, 41.3732 looks on a white background.

Color Contrast Check

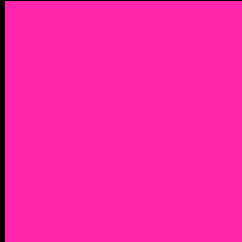
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3795, 25.6248, 41.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

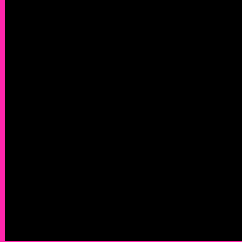
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.3795, 25.6248, 41.3732

Background



This preview shows how black text looks on a background with the XYZ color 49.3795, 25.6248, 41.3732.



This preview shows how white text looks on a background with the XYZ color 49.3795, 25.6248,

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

49.3795, 25.6248, 41.3732

Protanopia

28.8529, 26.1610, 84.4178

Deuteranopia

26.2523, 25.6519, 37.2859



Tritanopia

42.9581, 25.7219, 9.9084

Trichromacy



Original Color

49.3795, 25.6248, 41.3732



Protanomaly

29.8316, 20.7417, 66.0496



Deuteranomaly

30.8771, 21.8982, 38.1967



Tritanomaly

44.4309, 25.1243, 17.8369

Monochromacy



Original Color

49.3795, 25.6248, 41.3732



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

24.3083, 17.3046, 26.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3795, 25.6248, 41.3732 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, 38, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 172)  
}
```

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, 38, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.3795, 25.6248, 41.3732 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, 38, 172) }
```


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

```
.border{ border-color:rgb(255, 38, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 38, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 38, 172); box-shadow:4px 4px 4px 4px rgb(255, 38, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3795, 25.6248, 41.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 172) }
```

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

```
.background{ background-color: rgb(255, 38,  
172) }
```

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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