

Converting Colors

XYZ(47.6399, 24.8149, 32.5641)

Have a look what the booklet for
XYZ(47.6399, 24.8149, 32.5641)
contains.

XYZ(47.6206, 24.8217, 32.4182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6206, 24.8217,
32.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2499
RGB	255, 36, 153
RGB Percent	100%, 14%, 60%
CMY	0.0000, 0.8587, 0.4000
CMYK	0.00, 0.86, 0.40, 0.00
HSL	328°, 100%, 57%
HSV	328°, 86%, 100%
XYZ	47.6206, 24.8217, 32.4182
YIQ	114.8190, 92.9670, 82.8150

Conversions

Conversions Part 2

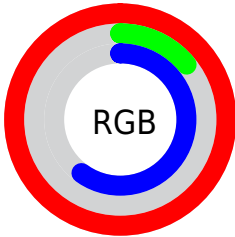
Format	Color
RYB	255, 36, 153
Decimal	16721049
CIELab	56.90, 82.89, -7.86
CIELCh	57, 83.262, 354.585
Yxy	24.8217, 0.4541, 0.2367
Android (android.graphics.Color)	4294911129 (0xFFFF2499)
YUV	114.8190, 18.8232, 122.9387
Hunter-Lab	49.8214, 83.4276, -3.7044

Details

The XYZ color **47.6206, 24.8217, 32.4182** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.0775, 73.7310, 36.1204**, and the grayscale version is **16.1699, 17.0119, 18.5260**.

A 20% lighter version of the original color is **58.1869, 37.1339, 63.1322**, and **24.1365, 12.1658, 13.6465** is the 20% darker color. If you saturate the color by 10%, you get **46.1710, 23.4153, 27.3332**, and if you desaturate by 10%, it is **49.7172, 27.3659, 38.2011**.

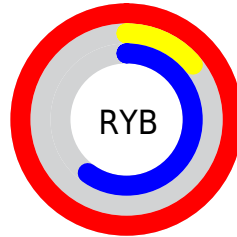
Distribution



Red (100%)

Green (14%)

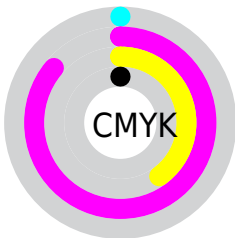
Blue (60%)



Red (100%)

Yellow (14%)

Blue (60%)

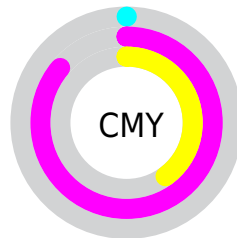


Cyan (0%)

Magenta (86%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6206, 24.8217, 32.4182 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 47.6206, 24.8217, 32.4182 by changing the saturation by 10% instead.

47.6206, 24.8217,
32.4182

47.6206, 24.8217,
32.4182

367.8940,
276.9488, 327.5711

33.7365, 15.9443,
21.4137

85.8524, 51.3678,
64.5716

22.8532, 9.4847,
13.2325

110.9308, 69.8053,
86.5576

14.6052, 5.0587,
7.4563

140.4713, 92.1982,
113.0411

8.6273, 2.2817,
3.6663

174.8394,
118.9311, 144.4408

4.5541, 0.7640,
1.4441

214.4004,
150.3881, 181.1751

2.0201, 0.0000,
0.1758

259.5195,

0.6452, 0.0000,

186.9538, 223.6625

0.0000

310.5623,
229.0126, 272.3217

■ 0.0000, 0.0000,
0.0000

■ 47.6206, 24.8217,
32.4182

■ 47.6206, 24.8217,
32.4182

■ 46.1710, 23.4153,
27.3332

■ 49.7172, 27.3659,
38.2011

■ 45.6995, 23.0438,
25.4138

■ 52.5616, 31.2450,
44.7283

■ 56.2378, 36.6227,
52.0411

■ 60.8172, 43.6381,
60.1756

■ 66.3634, 52.4142,
69.1650

72.9337, 63.0621,
79.0401

80.5810, 75.6837,
89.8297

89.3542, 90.3734,
101.5610

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



42.4145, 24.8217, 71.6274



47.6206, 24.8217, 32.4182



45.0852, 24.8217, 10.2735

Triad

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



47.6206, 24.8217, 32.4182



16.6183, 24.8217, 1.6991



14.3079, 24.8217, 98.6830

Complementary

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



47.6206, 24.8217, 32.4182



41.0775, 73.7310, 36.1204

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.



10.3176, 24.8217, 56.0969



47.6206, 24.8217, 32.4182



11.3712, 24.8217, 6.3213

Square

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



47.6206, 24.8217, 32.4182



25.4066, 24.8217, 1.0672



9.4140, 24.8217, 22.2686



21.8665, 24.8217, 123.5106

Rectangle

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



47.6206, 24.8217, 32.4182



39.6281, 24.8217, 4.1384



9.4140, 24.8217, 22.2686



12.5977, 24.8217, 84.9790

Sweetspot

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



47.6213, 24.8231, 32.4186



72.8436, 62.9144, 78.9088



28.6032, 13.5980, 95.7246



15.0798, 12.6319, 16.1366



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.



47.6213, 24.8231, 32.4186



45.6996, 23.0438, 25.4139



42.3841, 22.7282, 4.8396



18.4150, 18.1493, 20.8027



23.9553, 12.0714, 13.6808



2.3877, 1.1974, 1.6228

Inverse Universe

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



47.6213, 24.8231, 32.4186



45.6996, 23.0438, 25.4139



52.8252, 78.4300, 97.9828



18.4150, 18.1493, 20.8027



23.9553, 12.0714, 13.6808



2.3877, 1.1974, 1.6228

Previews

White Background



This preview shows how the XYZ color 47.6206, 24.8217, 32.4182 looks on a white background.

Color Contrast Check

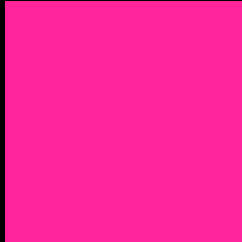
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6206, 24.8217, 32.4182 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 47.6206, 24.8217, 32.4182

Background



This preview shows how black text looks on a background with the XYZ color 47.6206, 24.8217, 32.4182.



This preview shows how white text looks on a background with the XYZ color 47.6206, 24.8217,

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

47.6206, 24.8217, 32.4182

Protanopia

26.8470, 25.0934, 67.0468

Deuteranopia

25.4828, 25.0240, 29.0782



Tritanopia

42.5370, 24.7805, 8.3355

Trichromacy



Original Color

47.6206, 24.8217, 32.4182



Protanomaly

28.5801, 20.1182, 52.2460



Deuteranomaly

30.0495, 21.3755, 29.7362



Tritanomaly

43.8593, 24.4439, 14.4631

Monochromacy



Original Color

47.6206, 24.8217, 32.4182



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

23.0161, 16.3475, 22.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6206, 24.8217, 32.4182 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, 36, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 153)  
}
```

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, 36, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.6206, 24.8217, 32.4182 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, 36, 153) }
```


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

```
.border{ border-color:rgb(255, 36, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6206, 24.8217, 32.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 153) }
```

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

```
.background{ background-color: rgb(255, 36,  
153) }
```

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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