

Converting Colors

XYZ(44.9987, 24.3311, 42.8461)

Have a look what the booklet for
XYZ(44.9987, 24.3311, 42.8461)
contains.

XYZ(45.0392, 24.3528, 42.8842)	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(45.0392, 24.3528,
42.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	F037AF
RGB	240, 55, 175
RGB Percent	94%, 22%, 69%
CMY	0.0588, 0.7843, 0.3137
CMYK	0.00, 0.77, 0.27, 0.06
HSL	321°, 86%, 58%
HSV	321°, 77%, 94%
XYZ	45.0392, 24.3528, 42.8842
YIQ	123.9950, 71.7400, 76.5400

Conversions

Conversions Part 2

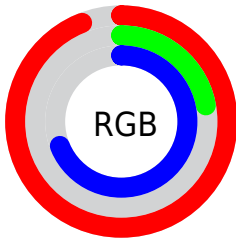
Format	Color
R _Y B	240, 55, 175
Decimal	15742895
CIE Lab	56.44, 77.57, -21.71
CIE LCh	56, 80.553, 344.367
Yxy	24.3528, 0.4011, 0.2169
Android (android.graphics.Color)	4293932975 (0xFFFF037AF)
YUV	123.9950, 25.1455, 101.7364
Hunter-Lab	49.3486, 76.5525, -16.9794

Details

The XYZ color **45.0392, 24.3528, 42.8842** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **36.1274, 64.4893, 28.3170**, and the grayscale version is **19.0608, 20.0534, 21.8382**.

A 20% lighter version of the original color is **62.3803, 40.4625, 80.1235**, and **22.1033, 10.9888, 19.3684** is the 20% darker color. If you saturate the color by 10%, you get **43.3607, 22.2800, 38.3650**, and if you desaturate by 10%, it is **47.3246, 27.5561, 47.8612**.

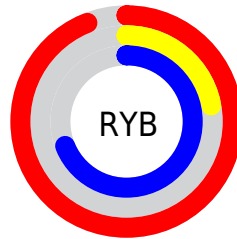
Distribution



Red (94%)

Green (22%)

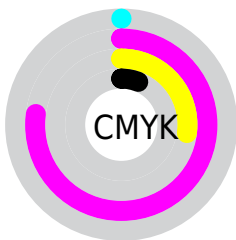
Blue (69%)



Red (94%)

Yellow (22%)

Blue (69%)

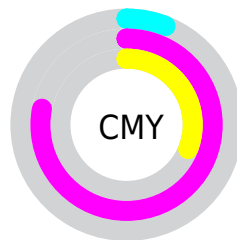


Cyan (0%)

Magenta (77%)

Yellow (27%)

Black (6%)



Cyan (6%)


Magenta (78%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0392, 24.3528, 42.8842 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 45.0392, 24.3528, 42.8842 by changing the saturation by 10% instead.


 45.0392, 24.3528,
42.8842

 45.0392, 24.3528,
42.8842

357.7133,
274.5993, 374.0425


 31.6897, 15.5955,
29.4635


 82.0159, 50.6053,
80.8206


 21.2790, 9.2384,
19.1832


 106.3739, 68.8693,
106.1734


 13.4417, 4.8970,
11.6246


 135.1321, 91.0711,
136.3406

 7.8125, 2.1870,
6.3692

 168.6558,
117.5949, 171.7408

 4.0260, 0.7129,
2.9984

 207.3104,
148.8253, 212.7926

 1.7169, 0.0000,
1.0938

251.4613,

 0.4668, 0.0000,

185.1465, 259.9145

0.0000

301.4738,
226.9431, 313.5249

■ 0.0000, 0.0000,
0.0000

■ 45.0392, 24.3528,
42.8842

■ 45.0392, 24.3528,
42.8842

■ 43.3607, 22.2800,
38.3650

■ 47.3246, 27.5561,
47.8612

■ 42.1945, 21.1508,
34.2671


■ 50.2864, 32.0283,
53.3233


■ 41.9081, 20.9144,
33.1344


■ 53.9867, 37.8916,
59.2957


■ 58.4795, 45.2530,
65.8006

■ 63.8137, 54.2088,
72.8585

 70.0341, 64.8472,
80.4885

 77.1823, 77.2501,
88.7084

 85.2970, 91.4937,
97.5350

 89.0917, 97.0039,
105.2100

Harmonies

Analogous

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



38.0688, 24.3528, 82.7032



45.0392, 24.3528, 42.8842



45.1992, 24.3528, 15.7145

Triad

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



45.0392, 24.3528, 42.8842



18.9801, 24.3528, 1.4006



12.5567, 24.3528, 81.0026

Complementary

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



45.0392, 24.3528, 42.8842



36.1274, 64.4893, 28.3170

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.



9.7682, 24.3528, 41.3921



45.0392, 24.3528, 42.8842



12.7439, 24.3528, 4.1505

Square

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



45.0392, 24.3528, 42.8842



28.3176, 24.3528, 1.4424



9.8260, 24.3528, 14.9540



18.6468, 24.3528, 112.9637

Rectangle

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



45.0392, 24.3528, 42.8842



41.3064, 24.3528, 6.8192



9.8260, 24.3528, 14.9540



11.2847, 24.3528, 67.3007

Sweetspot

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



45.0400, 24.3541, 42.8846



75.9666, 66.8610, 87.0390



24.8073, 13.0007, 83.6401



15.7289, 13.4070, 17.9652



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.



45.0400, 24.3541, 42.8846



48.9983, 24.7750, 41.5157



38.8542, 21.8798, 10.3107



16.2047, 15.9316, 18.6341



23.0065, 11.4750, 18.4827



1.9609, 0.9734, 1.7848

Inverse Universe

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



45.0400, 24.3541, 42.8846



48.9983, 24.7750, 41.5157



44.6519, 67.8991, 73.2067



16.2047, 15.9316, 18.6341



23.0065, 11.4750, 18.4827



1.9609, 0.9734, 1.7848

Previews

White Background



This preview shows how the XYZ color 45.0392, 24.3528, 42.8842 looks on a white background.

Color Contrast Check

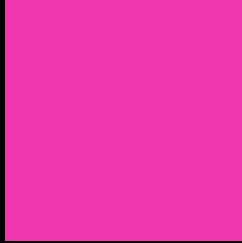
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.0392, 24.3528, 42.8842 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 45.0392, 24.3528, 42.8842

Background



This preview shows how black text looks on a background with the XYZ color 45.0392, 24.3528, 42.8842.



This preview shows how white text looks on a background with the XYZ color 45.0392, 24.3528,

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

45.0392, 24.3528, 42.8842

Protanopia

27.5091, 24.9336, 80.4536

Deuteranopia

25.0106, 24.5600, 39.0197



Tritanopia

38.4590, 24.2147, 11.8794

Trichromacy



Original Color

45.0392, 24.3528, 42.8842



Protanomaly

28.7893, 20.9676, 64.8171



Deuteranomaly

29.4466, 21.8520, 40.2020



Tritanomaly

40.3648, 23.9540, 20.2654

Monochromacy



Original Color

45.0392, 24.3528, 42.8842



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.1457, 19.0138, 28.3313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0392, 24.3528, 42.8842 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(240, 55, 175)` looks like.

```
.text, #text, p{  
    color:rgb(240, 55, 175)  
}
```

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(240, 55, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 55, 175) }
```

Border

The CSS property to change the border of an element to XYZ 45.0392, 24.3528, 42.8842 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(240, 55, 175) }
```


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

```
.border{ border-color:rgb(240, 55, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 55, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 55, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 55, 175);  
box-shadow:4px 4px 4px 4px rgb(240, 55,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0392, 24.3528, 42.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 55, 175) }
```

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

```
.background{ background-color: rgb(240, 55,  
175) }
```

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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