

Converting Colors

XYZ(24.3177, 11.9995, 25.3873)

Have a look what the booklet for
XYZ(24.3177, 11.9995, 25.3873)
contains.

XYZ(24.4274, 12.0544, 25.4654)	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(24.4274, 12.0544,
25.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	B8008B
RGB	184, 0, 139
RGB Percent	72%, 0%, 55%
CMY	0.2784, 0.9999, 0.4549
CMYK	0.00, 1.00, 0.24, 0.28
HSL	315°, 100%, 36%
HSV	315°, 100%, 72%
XYZ	24.4274, 12.0544, 25.4654
YIQ	70.8620, 65.0450, 82.2370

Conversions

Conversions Part 2

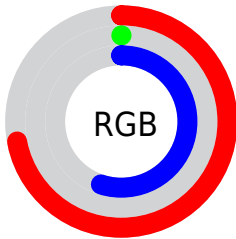
Format	Color
RYB	184, 0, 139
Decimal	12058763
CIELab	41.30, 70.90, -24.43
CIELCh	41, 74.991, 340.991
Yxy	12.0544, 0.3943, 0.1946
Android (android.graphics.Color)	4290248843 (0xFFB8008B)
YUV	70.8620, 33.5920, 99.2220
Hunter-Lab	34.7194, 64.8274, -19.1834

Details

The XYZ color **24.4274, 12.0544, 25.4654** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.6151, 34.4710, 8.2103**, and the grayscale version is **5.9057, 6.2133, 6.7663**.

A 20% lighter version of the original color is **50.1824, 29.5804, 53.5168**, and **10.4074, 5.1569, 9.8980** is the 20% darker color. If you saturate the color by 10%, you get **24.4271, 12.0543, 25.4632**, and if you desaturate by 10%, it is **24.9865, 12.6353, 27.3080**.

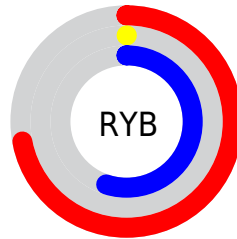
Distribution



Red (72%)

Green (0%)

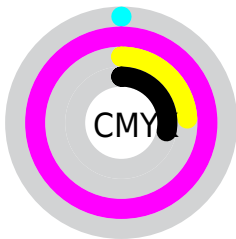
Blue (55%)



Red (72%)

Yellow (0%)

Blue (55%)

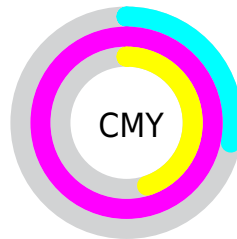


Cyan (0%)

Magenta (100%)

Yellow (24%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4274, 12.0544, 25.4654 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 24.4274, 12.0544, 25.4654 by changing the saturation by 10% instead.

■ 24.4274, 12.0544,
25.4654

■ 24.4274, 12.0544,
25.4654

267.3748,
204.7651, 293.6693

■ 15.7774, 6.7807,
16.2020

■ 50.1764, 29.5941,
53.3847

■ 9.4566, 3.3254,
9.5113

■ 68.0061, 42.6290,
72.8776

■ 5.0997, 1.3039,
4.9748

■ 89.6264, 59.0197,
96.6175

■ 2.3412, 0.1442,
2.1740

■ 115.4027, 79.1507,
125.0228

■ 0.8156, 0.0000,
0.6593

■ 145.7003,
103.4064, 158.5121

■ 0.0000, 0.0000,
0.0000

■ 180.8847,

132.1710, 197.5039

221.3210,
165.8292, 242.4168

■ 24.4274, 12.0544,
25.4654

■ 24.4274, 12.0544,
25.4654

■ 24.4271, 12.0543,
25.4632

■ 24.9865, 12.6353,
27.3080

■ 25.7689, 13.6408,
29.2924

■ 26.8529, 15.2277,
31.4458

■ 28.2772, 17.4725,
33.7817

■ 30.0741, 20.4401,
36.3117

■ 32.2725, 24.1876,
39.0461

■ 34.8981, 28.7663,
41.9942

■ 37.9745, 34.2233,
45.1645

■ 41.5235, 40.6020,
48.5651

Harmonies

Analogous

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



19.7563, 12.0544, 51.0783



24.4274, 12.0544, 25.4654



25.0584, 12.0544, 8.2120

Triad

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



24.4274, 12.0544, 25.4654



9.5807, 12.0544, 0.0000



5.2475, 12.0544, 44.1099

Complementary

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



24.4274, 12.0544, 25.4654



17.6151, 34.4710, 8.2103

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.



3.9629, 12.0544, 19.6875



24.4274, 12.0544, 25.4654



5.8848, 12.0544, 1.0223

Square

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



24.4274, 12.0544, 25.4654



15.2038, 12.0544, 0.0217



4.1519, 12.0544, 5.5987



8.3832, 12.0544, 66.5126

Rectangle

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



24.4274, 12.0544, 25.4654



22.9339, 12.0544, 2.9671



4.1519, 12.0544, 5.5987



4.6376, 12.0544, 35.3122

Sweetspot

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



24.4278, 12.0550, 25.4656



62.9970, 51.6805, 75.8402



9.6463, 3.9738, 45.6063



13.1345, 10.3593, 15.8591



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4278, 12.0550, 25.4656



44.1811, 21.8119, 45.6351



20.3237, 10.4134, 3.8539



9.2845, 9.1242, 10.8456



16.8639, 8.3193, 17.7020



0.6174, 0.3024, 0.7445

Inverse Universe

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



24.4278, 12.0550, 25.4656



44.1811, 21.8119, 45.6351



21.5099, 36.0290, 28.7203



9.2845, 9.1242, 10.8456



16.8639, 8.3193, 17.7020



0.6174, 0.3024, 0.7445

Previews

White Background



This preview shows how the XYZ color 24.4274, 12.0544, 25.4654 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

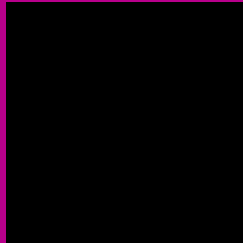
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4274, 12.0544, 25.4654

Background



This preview shows how black text looks on a background with the XYZ color 24.4274, 12.0544, 25.4654.



This preview shows how white text looks on a background with the XYZ color 24.4274, 12.0544,

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

24.4274, 12.0544, 25.4654

Protanopia

15.1953, 13.0017, 55.1348

Deuteranopia

12.9111, 12.6742, 22.8850



Tritanopia

20.4900, 12.5028, 5.3363

Trichromacy



Original Color

24.4274, 12.0544, 25.4654



Protanomaly

13.8749, 8.7932, 42.5609



Deuteranomaly

14.5604, 9.5743, 23.2709



Tritanomaly

21.1437, 11.5935, 10.1402

Monochromacy



Original Color

24.4274, 12.0544, 25.4654



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7318, 6.1660, 11.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4274, 12.0544, 25.4654 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(184, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 139)  
}
```

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(184, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 139) }
```

Border

The CSS property to change the border of an element to XYZ 24.4274, 12.0544, 25.4654 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(184, 0, 139) }
```


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

```
.border{ border-color:rgb(184, 0, 139) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4274, 12.0544, 25.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 139) }
```

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

```
.background{ background-color: rgb(184, 0,  
139) }
```

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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