

Converting Colors

XYZ(24.5406, 12.4566, 9.9401)

Have a look what the booklet for
XYZ(24.5406, 12.4566, 9.9401)
contains.

XYZ(24.4447, 12.4076, 9.9106)	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(24.4447, 12.4076,
9.9106)**

Conversions

Conversions Part 1

Format	Color
Hex	C40056
RGB	196, 0, 86
RGB Percent	77%, 0%, 34%
CMY	0.2314, 0.9999, 0.6627
CMYK	0.00, 1.00, 0.56, 0.23
HSL	334°, 100%, 38%
HSV	334°, 100%, 77%
XYZ	24.4447, 12.4076, 9.9106
YIQ	68.4080, 89.2100, 68.2980

Conversions

Conversions Part 2

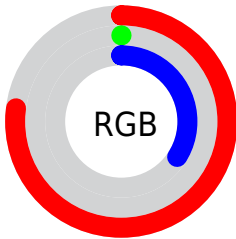
Format	Color
RYB	196, 0, 86
Decimal	12845142
CIELab	41.86, 68.59, 9.79
CIELCh	42, 69.282, 8.121
Yxy	12.4076, 0.5227, 0.2653
Android (android.graphics.Color)	4291035222 (0xFFC40056)
YUV	68.4080, 8.6729, 111.8982
Hunter-Lab	35.2244, 62.2309, 7.9755

Details

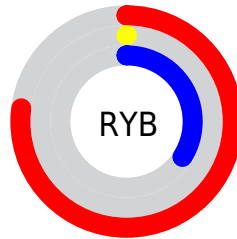
The XYZ color **24.4447, 12.4076, 9.9106** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **22.5566, 40.6065, 21.4102**, and the grayscale version is **5.5394, 5.8279, 6.3466**.

A 20% lighter version of the original color is **48.8617, 29.5063, 26.0417**, and **10.4096, 5.3181, 2.6683** is the 20% darker color. If you saturate the color by 10%, you get **24.4439, 12.4073, 9.9068**, and if you desaturate by 10%, it is **25.1664, 13.0863, 12.5092**.

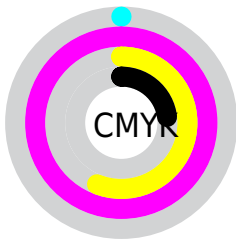
Distribution



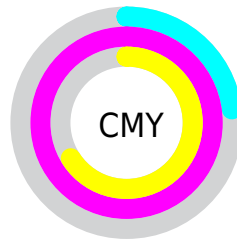
- Red (77%)
- Green (0%)
- Blue (34%)



- Red (77%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (23%)




- Cyan (23%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4447, 12.4076, 9.9106 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 24.4447, 12.4076, 9.9106 by changing the saturation by 10% instead.


 24.4447, 12.4076,
9.9106


 24.4447, 12.4076,
9.9106


267.4600,
207.0853, 200.4944


 15.7903, 7.0219,
5.2349


 50.2043, 30.2353,
26.2324


 9.4658, 3.4758,
2.3246


 68.0403, 43.4461,
38.7156

 5.1058, 1.3849,
0.7449

 89.6676, 60.0341,
54.6383

 2.3449, 0.2056,
0.0000

 115.4514, 80.3837,
74.4191

 0.8175, 0.0000,
0.0000

 145.7572,
104.8792, 98.4766

 0.0000, 0.0000,
0.0000

 180.9504,

133.9050, 127.2293

221.3962,
167.8456, 161.0957

■ 24.4447, 12.4076,
9.9106

■ 24.4447, 12.4076,
9.9106

■ 24.4439, 12.4073,
9.9068

■ 25.1664, 13.0863,
12.5092

■ 26.2051, 14.2849,
15.5645

■ 27.6504, 16.1786,
19.1200

■ 29.5499, 18.8581,
23.2042

■ 31.9441, 22.4006,
27.8430

■ 34.8686, 26.8737,
33.0599

■ 38.3557, 32.3381,
38.8767

■ 42.4351, 38.8497,
45.3141

■ 47.1340, 46.4599,
52.3915

Harmonies

Analogous

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



23.4674, 12.4076, 26.9483



24.4447, 12.4076, 9.9106



21.3385, 12.4076, 2.5183

Triad

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



24.4447, 12.4076, 9.9106



6.7066, 12.4076, 1.2609



8.4965, 12.4076, 60.0838

Complementary

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



24.4447, 12.4076, 9.9106



22.5566, 40.6065, 21.4102

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.



5.6275, 12.4076, 39.4023



24.4447, 12.4076, 9.9106



4.8215, 12.4076, 5.5009

Square

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



24.4447, 12.4076, 9.9106



10.4583, 12.4076, 0.2503



4.4936, 12.4076, 17.8893



13.2368, 12.4076, 64.9280

Rectangle

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



24.4447, 12.4076, 9.9106



17.7827, 12.4076, 0.9323



4.4936, 12.4076, 17.8893



7.3266, 12.4076, 54.2819

Sweetspot

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



24.4450, 12.4084, 9.9108



69.1512, 58.0566, 69.8879



16.1260, 7.1628, 52.7571



14.1994, 11.4790, 13.9690



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.



24.4450, 12.4084, 9.9108



44.1571, 22.4268, 17.2910



22.8718, 11.9492, 1.1019



10.2526, 10.1497, 11.4208



15.7480, 7.9890, 6.5852



0.7150, 0.3590, 0.4666

Inverse Universe

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



24.4450, 12.4084, 9.9108



44.1571, 22.4268, 17.2910



27.5656, 39.1885, 58.3358



10.2526, 10.1497, 11.4208



15.7480, 7.9890, 6.5852



0.7150, 0.3590, 0.4666

Previews

White Background



This preview shows how the XYZ color 24.4447, 12.4076, 9.9106 looks on a white background.

Color Contrast Check

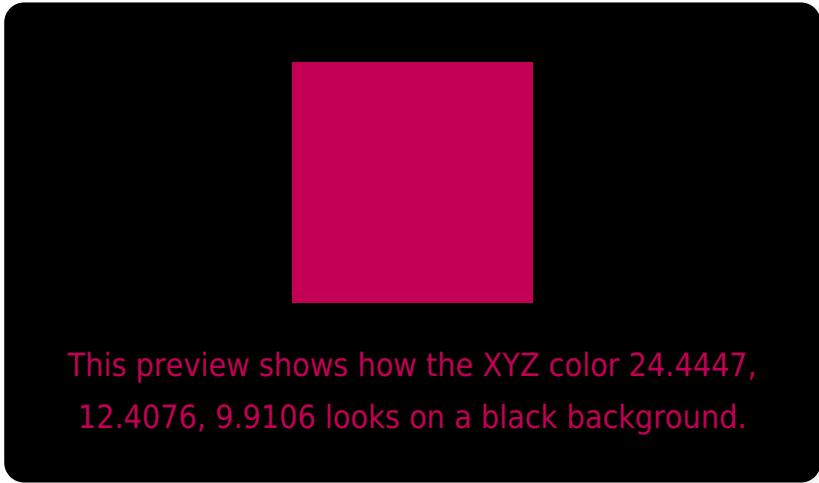
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4447, 12.4076, 9.9106

Background



This preview shows how black text looks on a background with the XYZ color 24.4447, 12.4076, 9.9106.



This preview shows how white text looks on a background with the XYZ color 24.4447, 12.4076,

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

24.4447, 12.4076, 9.9106

Protanopia

12.9782, 13.0279, 21.2327

Deuteranopia

13.2576, 13.0214, 9.0224



Tritanopia

23.0947, 12.7232, 2.6774

Trichromacy



Original Color

24.4447, 12.4076, 9.9106

Protanomaly

14.2184, 9.7200, 16.1657

Deuteranomaly

15.2404, 10.2424, 8.9583

Tritanomaly

23.4124, 12.4239, 4.4129

Monochromacy



Original Color

24.4447, 12.4076, 9.9106

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.2041, 5.8806, 7.3066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4447, 12.4076, 9.9106 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(196, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 86)  
}
```

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(196, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 24.4447, 12.4076, 9.9106 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(196, 0, 86) }
```


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

```
.border{ border-color:rgb(196, 0, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.4447, 12.4076, 9.9106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 86) }
```

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

```
.background{ background-color: rgb(196, 0,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor