

Converting Colors

XYZ(23.4675, 10.3733, 10.5302)

Have a look what the booklet for
XYZ(23.4675, 10.3733, 10.5302)
contains.

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Color

**XYZ(24.3511, 12.3403,
10.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	C3005A
RGB	195, 0, 90
RGB Percent	76%, 0%, 35%
CMY	0.2353, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.54, 0.24
HSL	332°, 100%, 38%
HSV	332°, 100%, 76%
XYZ	24.3511, 12.3403, 10.7713
YIQ	68.5650, 87.3300, 69.3300

Conversions

Conversions Part 2

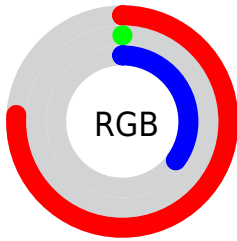
Format	Color
R_{YB}	195, 0, 90
Decimal	12779610
CIE _{Lab}	41.75, 68.63, 7.07
CIE _{LCh}	42, 68.996, 5.885
Yxy	12.3403, 0.5131, 0.2600
Android (android.graphics.Color)	4290969690 (0xFFC3005A)
YUV	68.5650, 10.5675, 110.8835
Hunter-Lab	35.1288, 62.2601, 6.4104

Details

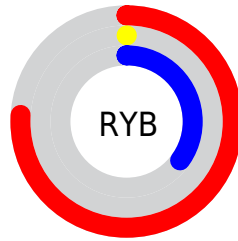
The XYZ color **24.3511, 12.3403, 10.7713** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **22.0672, 40.0509, 19.9423**, and the grayscale version is **5.5626, 5.8523, 6.3731**.

A 20% lighter version of the original color is **49.2221, 29.6504, 27.9398**, and **10.3052, 5.2578, 2.9543** is the 20% darker color. If you saturate the color by 10%, you get **24.3501, 12.3399, 10.7667**, and if you desaturate by 10%, it is **25.0723, 13.0161, 13.3753**.

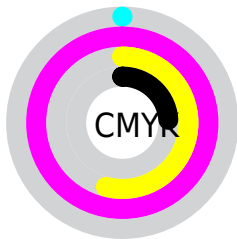
Distribution



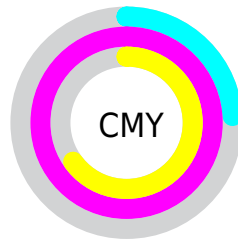
- Red (76%)
- Green (0%)
- Blue (35%)



- Red (76%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3511, 12.3403, 10.7713 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 24.3511, 12.3403, 10.7713 by changing the saturation by 10% instead.


 24.3511, 12.3403,
10.7713


 24.3511, 12.3403,
10.7713


266.9984,
206.6453, 206.7725


 15.7204, 6.9759,
5.8010


 50.0531, 30.1134,
27.8666


 9.4161, 3.4470,
2.6577


 67.8550, 43.2909,
40.8288


 5.0729, 1.3693,
0.9220

 89.4448, 59.8415,
57.2920

 2.3253, 0.1940,
0.0000

 115.1878, 80.1496,
77.6748

 0.8075, 0.0000,
0.0000

 145.4493,
104.5996, 102.3957

 0.0000, 0.0000,
0.0000

 180.5946,

133.5760, 131.8732

220.9892,
167.4631, 166.5260

■ 24.3511, 12.3403,
10.7713

■ 24.3511, 12.3403,
10.7713

■ 24.3501, 12.3399,
10.7667

■ 25.0723, 13.0161,
13.3753

■ 26.1018, 14.2034,
16.4059

■ 27.5282, 16.0756,
19.9043

■ 29.3980, 18.7224,
23.8970

■ 31.7510, 22.2195,
28.4078

■ 34.6220, 26.6338,
33.4583

■ 38.0427, 32.0251,
39.0687

■ 42.0419, 38.4483,
45.2580

■ 46.6465, 45.9542,
52.0442

Harmonies

Analogous

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



23.0726, 12.3403, 28.3841



24.3511, 12.3403, 10.7713



21.5380, 12.3403, 2.8138

Triad

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



24.3511, 12.3403, 10.7713



6.8908, 12.3403, 1.1337



8.1786, 12.3403, 58.4528

Complementary

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



24.3511, 12.3403, 10.7713



22.0672, 40.0509, 19.9423

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.



5.4690, 12.3403, 37.3588



24.3511, 12.3403, 10.7713



4.8895, 12.3403, 4.9505

Square

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



24.3511, 12.3403, 10.7713



10.7573, 12.3403, 0.2345



4.4566, 12.3403, 16.5086



12.7577, 12.3403, 64.7715

Rectangle

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



24.3511, 12.3403, 10.7713



18.0934, 12.3403, 1.0411



4.4566, 12.3403, 16.5086



7.0654, 12.3403, 52.3643

Sweetspot

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



24.3514, 12.3410, 10.7715



67.8150, 56.8478, 69.4624



15.5616, 6.8850, 52.1382



14.2514, 11.4998, 14.2427



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.



24.3514, 12.3410, 10.7715



43.4890, 22.0519, 18.6369



22.5767, 11.7440, 1.0780



10.2622, 10.1535, 11.4713



15.8679, 8.0369, 7.2164



0.7204, 0.3612, 0.4948

Inverse Universe

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



24.3514, 12.3410, 10.7715



43.4890, 22.0519, 18.6369



27.9411, 40.1211, 57.9009



10.2622, 10.1535, 11.4713



15.8679, 8.0369, 7.2164



0.7204, 0.3612, 0.4948

Previews

White Background



This preview shows how the XYZ color 24.3511, 12.3403, 10.7713 looks on a white background.

Color Contrast Check

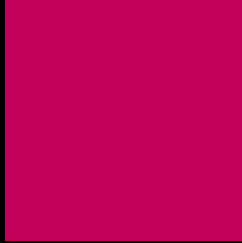
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.3511, 12.3403, 10.7713 looks on a 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 24.3511, 12.3403, 10.7713

Background



This preview shows how black text looks on a background with the XYZ color 24.3511, 12.3403, 10.7713.



This preview shows how white text looks on a background with the XYZ color 24.3511, 12.3403,

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

24.3511, 12.3403, 10.7713

Protanopia

13.1006, 13.0532, 22.9481

Deuteranopia

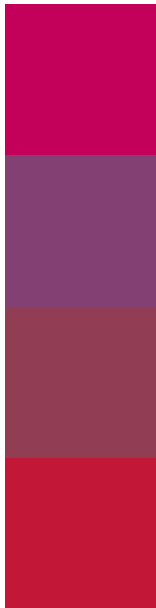
13.1338, 12.9405, 9.7882



Tritanopia

22.9266, 12.7206, 2.8371

Trichromacy



Original Color

24.3511, 12.3403, 10.7713

Protanomaly

14.1338, 9.6504, 17.3374

Deuteranomaly

15.0394, 10.1209, 9.7552

Tritanomaly

23.2441, 12.3580, 4.7747

Monochromacy



Original Color

24.3511, 12.3403, 10.7713

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.3105, 5.9820, 7.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3511, 12.3403, 10.7713 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(195, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 90)  
}
```

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(195, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.3511, 12.3403, 10.7713 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(195, 0, 90) }
```


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

```
.border{ border-color:rgb(195, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(195, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3511, 12.3403, 10.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 90) }
```

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

```
.background{ background-color: rgb(195, 0,  
90) }
```

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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