

Converting Colors

XYZ(24.3748, 11.4762, 50.3650)

Have a look what the booklet for
XYZ(24.3748, 11.4762, 50.3650)
contains.

XYZ(24.3043, 11.4430, 50.2180)	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(24.3043, 11.4430,
50.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	A200BF
RGB	162, 0, 191
RGB Percent	64%, 0%, 75%
CMY	0.3647, 0.9999, 0.2510
CMYK	0.15, 1.00, 0.00, 0.25
HSL	291°, 100%, 37%
HSV	291°, 100%, 75%
XYZ	24.3043, 11.4430, 50.2180
YIQ	70.2120, 35.2410, 93.7450

Conversions

Conversions Part 2

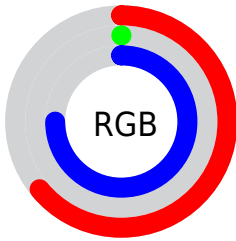
Format	Color
R_{YB}	162, 0, 191
Decimal	10617023
CIE _{Lab}	40.32, 74.61, -57.43
CIE _{LCh}	40, 94.155, 322.417
Yxy	11.4430, 0.2827, 0.1331
Android (android.graphics.Color)	4288807103 (0xFFA200BF)
YUV	70.2120, 59.5485, 80.4981
Hunter-Lab	33.8275, 69.0501, -64.3386

Details

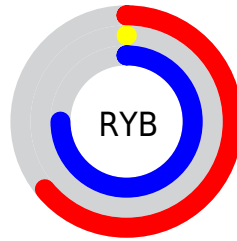
The XYZ color **24.3043, 11.4430, 50.2180** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.1380, 37.5232, 6.2344**, and the grayscale version is **5.7582, 6.0580, 6.5972**.

A 20% lighter version of the original color is **49.9324, 28.4901, 91.6743**, and **10.1529, 4.7206, 23.6686** is the 20% darker color. If you saturate the color by 10%, you get **24.3043, 11.4430, 50.2182**, and if you desaturate by 10%, it is **25.1355, 12.2200, 50.3244**.

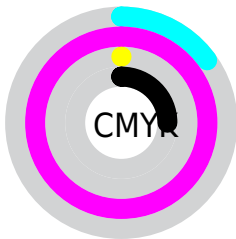
Distribution



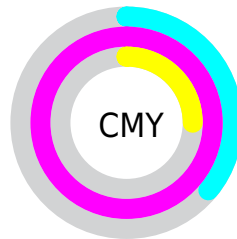
- Red (64%)
- Green (0%)
- Blue (75%)



- Red (64%)
- Yellow (0%)
- Blue (75%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (36%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3043, 11.4430, 50.2180 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 24.3043, 11.4430, 50.2180 by changing the saturation by 10% instead.


 24.3043, 11.4430,
50.2180


 24.3043, 11.4430,
50.2180


266.7673,
200.6821, 404.2773


 15.6855, 6.3656,
35.2143


 49.9774, 28.4765,
91.8974


 9.3913, 3.0687,
23.5431


 67.7623, 41.2014,
119.4102


 5.0564, 1.1677,
14.7860


 89.3334, 57.2443,
151.9297

 2.3155, 0.0351,
8.5244

 115.0559, 76.9895,
189.8745

 0.8026, 0.0000,
4.3397

 145.2952,
100.8215, 233.6631

 0.0000, 0.0000,
1.8135

 180.4166,

 0.0000, 0.0000,

129.1247, 283.7141

0.4368

220.7855,
162.2834, 340.4460

■ 0.0000, 0.0000,
0.0000

■ 24.3043, 11.4430,
50.2180

■ 24.3043, 11.4430,
50.2180

■ 24.3043, 11.4430,
50.2182

■ 25.1355, 12.2200,
50.3244

■ 26.2103, 13.4646,
50.5079

■ 27.6124, 15.3434,
50.7967

■ 29.3840, 17.9406,
51.2046

■ 31.5609, 21.3275,
51.7436

■ 34.1742, 25.5667,
52.4241

■ 37.2524, 30.7145,
53.2555

■ 40.8211, 36.8224,
54.2464

■ 44.9043, 43.9380,
55.4046

Harmonies

Analogous

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



16.4515, 11.4430, 84.9766



24.3043, 11.4430, 50.2180



28.8630, 11.4430, 17.8808

Triad

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



24.3043, 11.4430, 50.2180



12.6333, 11.4430, 0.0000



2.8704, 11.4430, 32.0225

Complementary

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



24.3043, 11.4430, 50.2180



19.1380, 37.5232, 6.2344

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.



2.5363, 11.4430, 8.2623



24.3043, 11.4430, 50.2180



6.7287, 11.4430, 0.0000

Square

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



24.3043, 11.4430, 50.2180



20.5653, 11.4430, 0.0000



3.6138, 11.4430, 0.8449



4.8393, 11.4430, 68.9092

Rectangle

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



24.3043, 11.4430, 50.2180



28.5092, 11.4430, 6.1780



3.6138, 11.4430, 0.8449



2.6072, 11.4430, 21.9910

Sweetspot

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



24.3048, 11.4435, 50.2183



66.4337, 54.5269, 95.3024



9.9165, 4.7863, 49.6916



14.0523, 11.0720, 20.7818



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.3048, 11.4435, 50.2183



43.3622, 20.4084, 89.9329



25.3389, 12.6178, 21.2943



9.7838, 9.6209, 12.0136



16.0268, 7.5482, 33.0051



0.6669, 0.3158, 1.2947

Inverse Universe

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



21.7080, 11.1655, 2.1741



38.8241, 19.9749, 3.6057



19.5473, 37.6283, 11.0349



9.5876, 9.5594, 10.2175



14.2852, 7.3452, 1.5293



0.5786, 0.2953, 0.1599

Previews

White Background



This preview shows how the XYZ color 24.3043, 11.4430, 50.2180 looks on a white background.

Color Contrast Check

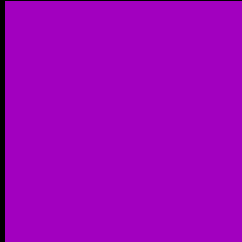
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3043, 11.4430, 50.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

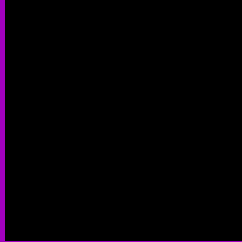
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3043, 11.4430, 50.2180

Background



This preview shows how black text looks on a background with the XYZ color 24.3043, 11.4430, 50.2180.



This preview shows how white text looks on a background with the XYZ color 24.3043, 11.4430,

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

24.3043, 11.4430, 50.2180

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

12.1997, 12.0188, 42.2343



Tritanopia

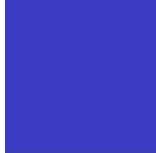
15.9967, 11.8144, 9.0267

Trichromacy



Original Color

24.3043, 11.4430, 50.2180



Protanomaly

13.2698, 8.1017, 52.4941



Deuteranomaly

11.9216, 7.8210, 44.5973



Tritanomaly

17.3960, 10.1454, 18.8107

Monochromacy



Original Color

24.3043, 11.4430, 50.2180



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5692, 5.9752, 16.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3043, 11.4430, 50.2180 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(162, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 191)  
}
```

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(162, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 24.3043, 11.4430, 50.2180 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(162, 0, 191) }
```


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

```
.border{ border-color:rgb(162, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3043, 11.4430, 50.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 191) }
```

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

```
.background{ background-color: rgb(162, 0,  
191) }
```

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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