

Converting Colors

XYZ(23.5635, 12.1214, 24.0626)

Have a look what the booklet for
XYZ(23.5635, 12.1214, 24.0626)
contains.

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Color

**XYZ(23.5222, 12.1058,
24.0186)**

Conversions

Conversions Part 1

Format	Color
Hex	B41887
RGB	180, 24, 135
RGB Percent	71%, 9%, 53%
CMY	0.2941, 0.9058, 0.4706
CMYK	0.00, 0.87, 0.25, 0.29
HSL	317°, 76%, 40%
HSV	317°, 87%, 71%
XYZ	23.5222, 12.1058, 24.0186
YIQ	83.2980, 57.3450, 67.5930

Conversions

Conversions Part 2

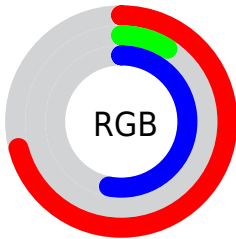
Format	Color
R_{YB}	180, 24, 135
Decimal	11802759
CIE _{Lab}	41.38, 66.57, -21.91
CIE _{LCh}	41, 70.086, 341.786
Yxy	12.1058, 0.3944, 0.2030
Android (android.graphics.Color)	4289992839 (0xFFB41887)
YUV	83.2980, 25.4891, 84.8077
Hunter-Lab	34.7934, 59.7872, -16.5737

Details

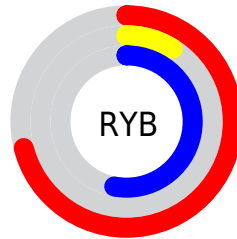
The XYZ color **23.5222, 12.1058, 24.0186** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.7729, 33.2669, 11.1168**, and the grayscale version is **8.2255, 8.6539, 9.4241**.

A 20% lighter version of the original color is **48.8394, 29.8104, 50.7568**, and **9.6657, 4.7935, 9.0101** is the 20% darker color. If you saturate the color by 10%, you get **22.9041, 11.4404, 22.0525**, and if you desaturate by 10%, it is **24.3988, 13.2594, 26.1590**.

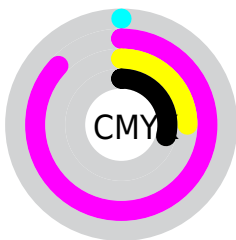
Distribution



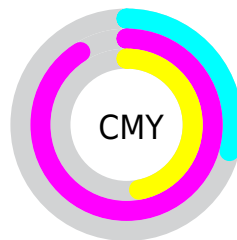
- Red (71%)
- Green (9%)
- Blue (53%)



- Red (71%)
- Yellow (9%)
- Blue (53%)



- Cyan (0%)
- Magenta (87%)
- Yellow (25%)
- Black (29%)





- Cyan (29%)
- Magenta (91%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5222, 12.1058, 24.0186 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 23.5222, 12.1058, 24.0186 by changing the saturation by 10% instead.


 23.5222, 12.1058,
24.0186


 23.5222, 12.1058,
24.0186


262.8814,
205.1045, 286.2041


 15.1024, 6.8158,
15.1351


 48.7097, 29.6877,
51.0048


 8.9781, 3.3472,
8.7666


 66.2082, 42.7483,
69.9445


 4.7839, 1.3155,
4.4945

 87.4635, 59.1679,
93.0734

 2.1545, 0.1532,
1.9004

 112.8411, 79.3308,
120.8100

 0.7186, 0.0000,
0.4930

 142.7064,
103.6216, 153.5728

 0.0000, 0.0000,
0.0000

 177.4246,

132.4245, 191.7804

217.3612,
166.1240, 235.8513

■ 23.5222, 12.1058,
24.0186

■ 23.5222, 12.1058,
24.0186

■ 22.9041, 11.4404,
22.0525

■ 24.3988, 13.2594,
26.1590

■ 22.7236, 11.2638,
21.4237

■ 25.5797, 14.9927,
28.4900

■ 27.0996, 17.3747,
31.0244

■ 28.9880, 20.4641,
33.7732

■ 31.2712, 24.3130,
36.7463

■ 33.9729, 28.9685,
39.9528

■ 37.1151, 34.4740,
43.4010

■ 40.7179, 40.8697,
47.0988

■ 44.8004, 48.1934,
51.0536

Harmonies

Analogous

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



19.3318, 12.1058, 47.0430



23.5222, 12.1058, 24.0186



23.9824, 12.1058, 8.2475

Triad

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



23.5222, 12.1058, 24.0186



9.6218, 12.1058, 0.1918



5.6455, 12.1058, 42.0442

Complementary

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



23.5222, 12.1058, 24.0186



17.7729, 33.2669, 11.1168

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.



4.3417, 12.1058, 19.7706



23.5222, 12.1058, 24.0186



6.1418, 12.1058, 1.3843

Square

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



23.5222, 12.1058, 24.0186



14.8422, 12.1058, 0.3340



4.4916, 12.1058, 6.2211



8.7117, 12.1058, 61.7103

Rectangle

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



23.5222, 12.1058, 24.0186



21.9835, 12.1058, 3.2469



4.4916, 12.1058, 6.2211



5.0339, 12.1058, 34.1270

Sweetspot

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



23.5226, 12.1064, 24.0188



61.7135, 52.7234, 72.5720



10.9637, 5.1856, 43.6033



12.9581, 10.7358, 15.2468



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5226, 12.1064, 24.0188



41.0968, 20.3813, 38.2890



19.9083, 10.6607, 4.9862



8.7434, 8.6041, 10.1473



15.8897, 7.8735, 15.1112



0.5237, 0.2572, 0.6005

Inverse Universe

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



23.5226, 12.1064, 24.0188



41.0968, 20.3813, 38.2890



21.9025, 34.9187, 32.8627



8.7434, 8.6041, 10.1473



15.8897, 7.8735, 15.1112



0.5237, 0.2572, 0.6005

Previews

White Background



This preview shows how the XYZ color 23.5222, 12.1058, 24.0186 looks on a white background.

Color Contrast Check

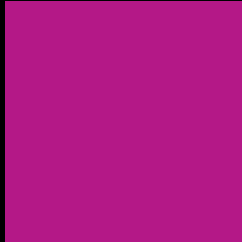
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5222, 12.1058, 24.0186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

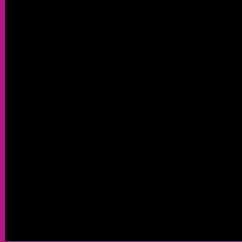
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5222, 12.1058, 24.0186

Background



This preview shows how black text looks on a background with the XYZ color 23.5222, 12.1058, 24.0186.



This preview shows how white text looks on a background with the XYZ color 23.5222, 12.1058,

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

23.5222, 12.1058, 24.0186

Protanopia

14.5266, 12.6496, 49.2529

Deuteranopia

12.7216, 12.4614, 21.8135



Tritanopia

19.7343, 12.2512, 5.5996

Trichromacy



Original Color

23.5222, 12.1058, 24.0186

Protanomaly

14.2814, 9.7863, 38.6723

Deuteranomaly

14.6769, 10.3520, 22.3437

Tritanomaly

20.5632, 11.7950, 10.2097

Monochromacy



Original Color

23.5222, 12.1058, 24.0186

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

11.5921, 8.2561, 13.5530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5222, 12.1058, 24.0186 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(180, 24, 135)` looks like.

```
.text, #text, p{  
    color:rgb(180, 24, 135)  
}
```

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(180, 24, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 24, 135) }
```

Border

The CSS property to change the border of an element to XYZ 23.5222, 12.1058, 24.0186 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(180, 24, 135) }
```


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

```
.border{ border-color:rgb(180, 24, 135) }
```

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

Here you see how a box with a 4 pixel rgb(180, 24, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 24, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 24, 135);  
box-shadow:4px 4px 4px 4px rgb(180, 24,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5222, 12.1058, 24.0186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 24, 135) }
```

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

```
.background{ background-color: rgb(180, 24,  
135) }
```

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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