

Converting Colors

XYZ(24.8628, 14.0699, 18.5454)

Have a look what the booklet for
XYZ(24.8628, 14.0699, 18.5454)
contains.

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Color

**XYZ(24.8618, 14.0694,
18.5448)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3176
RGB	187, 49, 118
RGB Percent	73%, 19%, 46%
CMY	0.2667, 0.8078, 0.5373
CMYK	0.00, 0.74, 0.37, 0.27
HSL	330°, 58%, 46%
HSV	330°, 74%, 73%
XYZ	24.8618, 14.0694, 18.5448
YIQ	98.1280, 60.0990, 50.7150

Conversions

Conversions Part 2

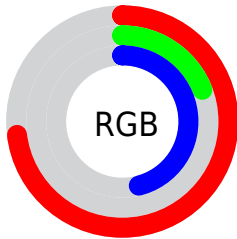
Format	Color
R_{YB}	187, 49, 118
Decimal	12267894
CIE Lab	44.33, 59.71, -6.84
CIE LCh	44, 60.105, 353.464
Yxy	14.0694, 0.4326, 0.2448
Android (android.graphics.Color)	4290457974 (0xFFBB3176)
YUV	98.1280, 9.7969, 77.9407
Hunter-Lab	37.5092, 52.6720, -3.0569

Details

The XYZ color **24.8618, 14.0694, 18.5448** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **22.3079, 37.5020, 23.2051**, and the grayscale version is **11.6081, 12.2126, 13.2996**.

A 20% lighter version of the original color is **50.8712, 33.1918, 41.7557**, and **10.1588, 5.1093, 6.2451** is the 20% darker color. If you saturate the color by 10%, you get **23.7071, 12.6056, 15.5529**, and if you desaturate by 10%, it is **26.3967, 16.2054, 21.9354**.

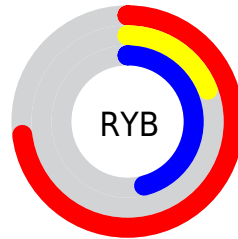
Distribution



Red (73%)

Green (19%)

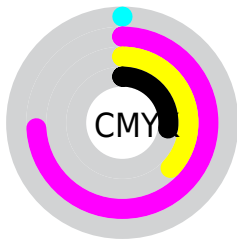
Blue (46%)



Red (73%)

Yellow (19%)

Blue (46%)

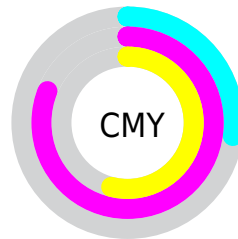


Cyan (0%)

Magenta (74%)

Yellow (37%)

Black (27%)



Cyan (27%)


Magenta (81%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8618, 14.0694, 18.5448 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 24.8618, 14.0694, 18.5448 by changing the saturation by 10% instead.


 24.8618, 14.0694,
18.5448


 24.8618, 14.0694,
18.5448


269.5093,
217.6621, 256.2626


 16.1023, 8.1690,
11.1684


 50.8774, 33.2121,
41.7899


 9.6879, 4.2032,
6.0646


 68.8643, 47.2232,
58.4956


 5.2532, 1.7879,
2.8150

 90.6577, 64.7066,
79.1482

 2.4328, 0.4796,
1.0010

 116.6229, 86.0467,
104.1661

 0.8615, 0.0000,
0.0000

 147.1253,
111.6279, 133.9680

 0.0000, 0.0000,
0.0000

 182.5303,

141.8346, 168.9724

223.2032,
177.0512, 209.5977

■ 24.8618, 14.0694,
18.5448

■ 24.8618, 14.0694,
18.5448

■ 23.7071, 12.6056,
15.5529

■ 26.3967, 16.2054,
21.9354

■ 22.8867, 11.7249,
12.9364

■ 28.3480, 19.0834,
25.7441

■ 22.4912, 11.3639,
11.4791

■ 30.7485, 22.7671,
29.9892

■ 33.6275, 27.3123,
34.6873

■ 37.0114, 32.7702,
39.8541

■ 40.9250, 39.1876,
45.5044

■ 45.3910, 46.6084,
51.6519

■ 50.4309, 55.0734,
58.3102

■ 56.0651, 64.6215,
65.4918

Harmonies

Analogous

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



22.2919, 14.0694, 37.1896



24.8618, 14.0694, 18.5448



23.8088, 14.0694, 6.9916

Triad

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



24.8618, 14.0694, 18.5448



10.0099, 14.0694, 1.5901



8.5772, 14.0694, 48.0950

Complementary

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



24.8618, 14.0694, 18.5448



22.3079, 37.5020, 23.2051

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.



6.5429, 14.0694, 28.5123



24.8618, 14.0694, 18.5448



7.2203, 14.0694, 4.3249

Square

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



24.8618, 14.0694, 18.5448



14.4559, 14.0694, 1.1838



6.1139, 14.0694, 12.4911



12.3447, 14.0694, 59.7451

Rectangle

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



24.8618, 14.0694, 18.5448



21.2945, 14.0694, 3.3507



6.1139, 14.0694, 12.4911



7.7085, 14.0694, 41.8096

Sweetspot

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



24.8622, 14.0702, 18.5450



67.2349, 60.2346, 72.7783



17.5401, 9.6371, 47.9493



14.4147, 12.6275, 15.4465



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.8622, 14.0702, 18.5450



41.4217, 21.4229, 24.6682



22.1467, 12.9840, 4.2456



9.7237, 9.6138, 10.9341



15.5332, 7.8444, 8.1012



0.6415, 0.3205, 0.4912

Inverse Universe

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



24.8622, 14.0702, 18.5450



41.4217, 21.4229, 24.6682



28.0070, 39.7816, 53.2161



9.7237, 9.6138, 10.9341



15.5332, 7.8444, 8.1012



0.6415, 0.3205, 0.4912

Previews

White Background



This preview shows how the XYZ color 24.8618, 14.0694, 18.5448 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 24.8618, 14.0694, 18.5448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

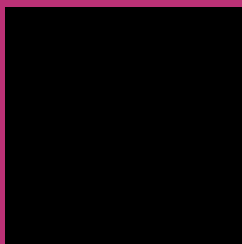
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8618, 14.0694, 18.5448

Background



This preview shows how black text looks on a background with the XYZ color 24.8618, 14.0694, 18.5448.



This preview shows how white text looks on a background with the XYZ color 24.8618, 14.0694,

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

24.8618, 14.0694, 18.5448

Protanopia

14.9865, 14.3910, 32.9982

Deuteranopia

14.6589, 14.4256, 17.0507



Tritanopia

22.3191, 14.0275, 6.8414

Trichromacy



Original Color

24.8618, 14.0694, 18.5448

Protanomaly

16.5103, 12.6536, 27.1634

Deuteranomaly

17.1150, 13.0641, 17.5392

Tritanomaly

22.9599, 13.8883, 10.2747

Monochromacy



Original Color

24.8618, 14.0694, 18.5448

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.6244, 11.5031, 14.8141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8618, 14.0694, 18.5448 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(187, 49, 118)` looks like.

```
.text, #text, p{  
    color:rgb(187, 49, 118)  
}
```

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(187, 49, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 49, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.8618, 14.0694, 18.5448 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(187, 49, 118) }
```


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

```
.border{ border-color:rgb(187, 49, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 49, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 49, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 49, 118);  
box-shadow:4px 4px 4px 4px rgb(187, 49,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8618, 14.0694, 18.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 49, 118) }
```

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

```
.background{ background-color: rgb(187, 49,  
118) }
```

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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