

Converting Colors

XYZ(24.3115, 14.8950, 34.8066)

Have a look what the booklet for
XYZ(24.3115, 14.8950, 34.8066)
contains.

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Color

**XYZ(24.3486, 14.8878,
34.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	A744A0
RGB	167, 68, 160
RGB Percent	65%, 27%, 63%
CMY	0.3451, 0.7333, 0.3725
CMYK	0.00, 0.59, 0.04, 0.35
HSL	304°, 42%, 46%
HSV	304°, 59%, 65%
XYZ	24.3486, 14.8878, 34.8480
YIQ	108.0890, 29.4720, 49.6000

Conversions

Conversions Part 2

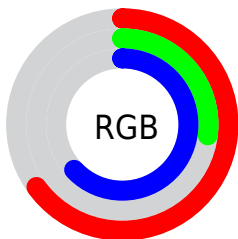
Format	Color
R_{YB}	167, 68, 160
Decimal	10962080
CIE _{Lab}	45.48, 52.55, -30.80
CIE _{LCh}	45, 60.915, 329.622
Yxy	14.8878, 0.3287, 0.2010
Android (android.graphics.Color)	4289152160 (0xFFA744A0)
YUV	108.0890, 25.5921, 51.6649
Hunter-Lab	38.5847, 45.1179, -26.5388

Details

The XYZ color **24.3486, 14.8878, 34.8480** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.4733, 29.3749, 11.4065**, and the grayscale version is **14.2041, 14.9439, 16.2739**.

A 20% lighter version of the original color is **49.9657, 34.6727, 68.3490**, and **9.4106, 4.5709, 14.5736** is the 20% darker color. If you saturate the color by 10%, you get **23.3760, 13.1069, 34.0166**, and if you desaturate by 10%, it is **25.6109, 17.2458, 35.7810**.

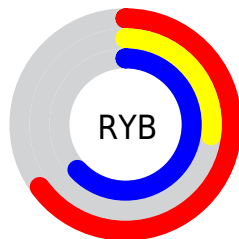
Distribution



Red (65%)

Green (27%)

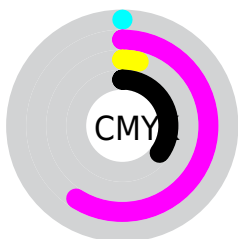
Blue (63%)



Red (65%)

Yellow (27%)

Blue (63%)

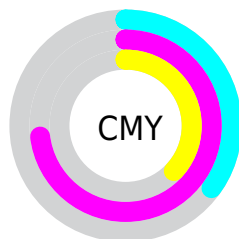


Cyan (0%)

Magenta (59%)

Yellow (4%)

Black (35%)



Cyan (35%)


Magenta (73%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3486, 14.8878, 34.8480 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 24.3486, 14.8878, 34.8480 by changing the saturation by 10% instead.

 24.3486, 14.8878,
34.8480

 24.3486, 14.8878,
34.8480


266.9861,
222.6861, 338.7808


 15.7185, 8.7407,
23.2632


 50.0490, 34.6562,
68.3991


 9.4148, 4.5724,
14.5808


 67.8501, 49.0463,
91.2025


 5.0720, 1.9986,
8.3824


 89.4389, 66.9529,
118.5825

 2.3247, 0.6067,
4.2493

 115.1807, 88.7603,
150.9577

 0.8073, 0.0000,
1.7631

 145.4410,
114.8529, 188.7466

 0.0000, 0.0000,
0.4034

180.5851,

 0.0000, 0.0000,

145.6151, 232.3677

0.0000

220.9783,
181.4314, 282.2396

■ 24.3486, 14.8878,
34.8480

■ 24.3486, 14.8878,
34.8480

■ 23.3760, 13.1069,
34.0166

■ 25.6109, 17.2458,
35.7810

■ 22.6665, 11.8507,
33.2776

■ 27.1835, 20.2233,
36.8222

■ 22.1909, 11.0609,
32.6214

■ 29.0870, 23.8611,
37.9786

■ 21.8892, 10.6176,
32.0280

■ 31.3398, 28.1958,
39.2563

■ 21.8690, 10.5886,
31.9859

■ 33.9588, 33.2615,
40.6610

■ 36.9601, 39.0899,
42.1980

■ 40.3585, 45.7110,
43.8723

■ 44.1681, 53.1532,
45.6886

■ 48.4026, 61.4431,
47.6514

Harmonies

Analogous

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



19.5423, 14.8878, 54.6618



24.3486, 14.8878, 34.8480



26.3232, 14.8878, 16.3954

Triad

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



24.3486, 14.8878, 34.8480



14.2149, 14.8878, 1.2474



7.2498, 14.8878, 34.3186

Complementary

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



24.3486, 14.8878, 34.8480



17.4733, 29.3749, 11.4065

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.



6.4636, 14.8878, 16.0265



24.3486, 14.8878, 34.8480



9.8545, 14.8878, 2.0316

Square

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



24.3486, 14.8878, 34.8480



19.6810, 14.8878, 2.0782



7.2911, 14.8878, 5.7868



9.7671, 14.8878, 54.2481

Rectangle

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



24.3486, 14.8878, 34.8480



25.4756, 14.8878, 8.5201



7.2911, 14.8878, 5.7868



6.8054, 14.8878, 27.5226

Sweetspot

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



24.3491, 14.8885, 34.8483



56.5452, 51.3034, 70.5347



11.9134, 8.4048, 37.5540



12.3809, 10.9544, 15.6337



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.3491, 14.8885, 34.8483



41.4351, 22.7025, 60.5064



20.8678, 13.4960, 16.5161



7.8187, 7.6573, 9.3623



16.7418, 8.1054, 24.5154



0.4139, 0.1998, 0.6309

Inverse Universe

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



24.3491, 14.8885, 34.8483



41.4351, 22.7025, 60.5064



19.8477, 30.3247, 23.9100



7.8187, 7.6573, 9.3623



16.7418, 8.1054, 24.5154



0.4139, 0.1998, 0.6309

Previews

White Background



This preview shows how the XYZ color 24.3486, 14.8878, 34.8480 looks on a white background.

Color Contrast Check

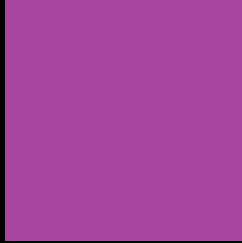
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3486, 14.8878, 34.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

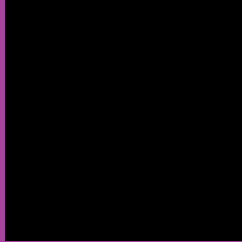
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3486, 14.8878, 34.8480

Background



This preview shows how black text looks on a background with the XYZ color 24.3486, 14.8878, 34.8480.



This preview shows how white text looks on a background with the XYZ color 24.3486, 14.8878,

34.8480.

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

24.3486, 14.8878, 34.8480

Protanopia

16.9920, 15.1467, 52.4801

Deuteranopia

15.4211, 15.0906, 32.2370



Tritanopia

19.5576, 14.7992, 11.9509

Trichromacy



Original Color

24.3486, 14.8878, 34.8480

Protanomaly

17.7612, 13.8741, 45.4579

Deuteranomaly

17.5228, 14.1509, 33.2603

Tritanomaly

20.9072, 14.5577, 18.5376

Monochromacy



Original Color

24.3486, 14.8878, 34.8480

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.7984, 14.0281, 21.9010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3486, 14.8878, 34.8480 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(167, 68, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 68, 160)  
}
```

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(167, 68, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 68, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.3486, 14.8878, 34.8480 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(167, 68, 160) }
```


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

```
.border{ border-color:rgb(167, 68, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 68, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 68, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 68, 160); box-shadow:4px 4px 4px 4px rgb(167, 68, 160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3486, 14.8878, 34.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 68, 160) }
```

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

```
.background{ background-color: rgb(167, 68,  
160) }
```

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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