

Converting Colors

XYZ(24.8116, 14.2644, 24.3755)

Have a look what the booklet for
XYZ(24.8116, 14.2644, 24.3755)
contains.

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Color

**XYZ(24.7484, 14.2114,
24.3604)**

Conversions

Conversions Part 1

Format	Color
Hex	B53687
RGB	181, 54, 135
RGB Percent	71%, 21%, 53%
CMY	0.2902, 0.7882, 0.4706
CMYK	0.00, 0.70, 0.25, 0.29
HSL	322°, 54%, 46%
HSV	322°, 70%, 71%
XYZ	24.7484, 14.2114, 24.3604
YIQ	101.2070, 49.6910, 52.1150

Conversions

Conversions Part 2

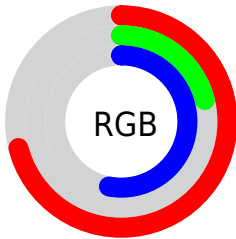
Format	Color
R_{YB}	181, 54, 135
Decimal	11875975
CIE _{Lab}	44.53, 58.36, -17.04
CIE _{LCh}	45, 60.794, 343.718
Yxy	14.2114, 0.3908, 0.2244
Android (android.graphics.Color)	4290066055 (0xFFB53687)
YUV	101.2070, 16.6599, 69.9785
Hunter-Lab	37.6980, 51.2121, -11.9245

Details

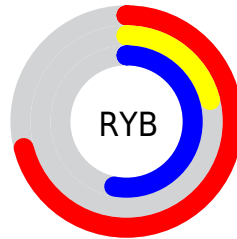
The XYZ color **24.7484, 14.2114, 24.3604** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **20.3463, 34.7526, 17.6941**, and the grayscale version is **12.3733, 13.0177, 14.1762**.

A 20% lighter version of the original color is **50.6967, 33.5250, 51.3759**, and **9.9519, 4.9410, 9.0235** is the 20% darker color. If you saturate the color by 10%, you get **23.6098, 12.6502, 21.7731**, and if you desaturate by 10%, it is **26.2297, 16.4122, 27.2025**.

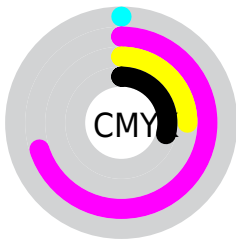
Distribution



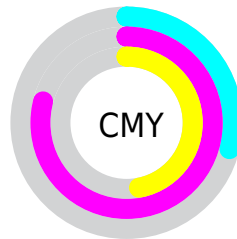
- Red (71%)
- Green (21%)
- Blue (53%)



- Red (71%)
- Yellow (21%)
- Blue (53%)



- Cyan (0%)
- Magenta (70%)
- Yellow (25%)
- Black (29%)





- Cyan (29%)
- Magenta (79%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7484, 14.2114, 24.3604 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 24.7484, 14.2114, 24.3604 by changing the saturation by 10% instead.


 24.7484, 14.2114,
24.3604


 24.7484, 14.2114,
24.3604


268.9534,
218.5420, 287.9825


 16.0174, 8.2678,
15.3865


 50.6946, 33.4637,
51.5689


 9.6274, 4.2668,
8.9415


 68.6405, 47.5411,
70.6405


 5.2130, 1.8239,
4.6067

 90.3889, 65.0987,
93.9152

 2.4088, 0.5020,
1.9638

 116.3049, 86.5208,
121.8114

 0.8495, 0.0000,
0.5329

 146.7540,
112.1918, 154.7477

 0.0000, 0.0000,
0.0000

182.1016,

142.4961, 193.1426

222.7129,
177.8180, 237.4147

■ 24.7484, 14.2114,
24.3604

■ 24.7484, 14.2114,
24.3604

■ 23.6098, 12.6502,
21.7731

■ 26.2297, 16.4122,
27.2025

■ 22.7752, 11.6526,
19.4248

■ 28.0841, 19.3129,
30.3115

■ 22.1759, 11.0717,
17.3202

■ 30.3399, 22.9694,
33.6994

■ 33.0222, 27.4312,
37.3769

■ 36.1540, 32.7436,
41.3539

■ 39.7568, 38.9484,
45.6398

■ 43.8503, 46.0848,
50.2433

■ 48.4534, 54.1895,
55.1729

■ 53.5836, 63.2975,
60.4365

Harmonies

Analogous

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



21.1397, 14.2114, 44.3991



24.7484, 14.2114, 24.3604



24.9125, 14.2114, 9.9065

Triad

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



24.7484, 14.2114, 24.3604



11.3900, 14.2114, 1.2660



7.7682, 14.2114, 42.6936

Complementary

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



24.7484, 14.2114, 24.3604



20.3463, 34.7526, 17.6941

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.



6.2548, 14.2114, 22.8126



24.7484, 14.2114, 24.3604



7.9767, 14.2114, 3.0036

Square

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



24.7484, 14.2114, 24.3604



16.3313, 14.2114, 1.3260



6.3204, 14.2114, 9.0634



11.0296, 14.2114, 58.6462

Rectangle

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



24.7484, 14.2114, 24.3604



22.9811, 14.2114, 4.7941



6.3204, 14.2114, 9.0634



7.0779, 14.2114, 35.8601

Sweetspot

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



24.7488, 14.2121, 24.3607



64.0404, 57.4290, 73.1881



14.7463, 8.5973, 44.5984



13.5011, 11.8328, 15.3936



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.



24.7488, 14.2121, 24.3607



41.4379, 21.6031, 36.7389



21.5801, 12.9446, 7.6744



8.7168, 8.5934, 10.0070



15.3217, 7.6462, 12.1198



0.5088, 0.2513, 0.5223

Inverse Universe

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



24.7488, 14.2121, 24.3607



41.4379, 21.6031, 36.7389



24.5629, 36.4392, 39.8986



8.7168, 8.5934, 10.0070



15.3217, 7.6462, 12.1198



0.5088, 0.2513, 0.5223

Previews

White Background



This preview shows how the XYZ color 24.7484, 14.2114, 24.3604 looks on a white background.

Color Contrast Check

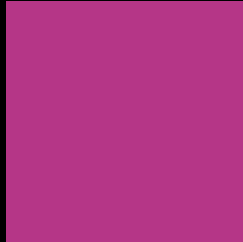
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7484, 14.2114, 24.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

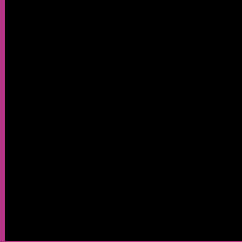
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7484, 14.2114, 24.3604

Background



This preview shows how black text looks on a background with the XYZ color 24.7484, 14.2114, 24.3604.



This preview shows how white text looks on a background with the XYZ color 24.7484, 14.2114,

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

24.7484, 14.2114, 24.3604

Protanopia

15.7176, 14.5800, 41.5210

Deuteranopia

14.7905, 14.5233, 22.4458



Tritanopia

21.4277, 14.2446, 8.2767

Trichromacy



Original Color

24.7484, 14.2114, 24.3604

Protanomaly

16.7883, 12.8718, 34.4006

Deuteranomaly

17.0974, 13.2808, 23.1351

Tritanomaly

22.4081, 14.1086, 12.8515

Monochromacy



Original Color

24.7484, 14.2114, 24.3604

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.3569, 12.2787, 17.1834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7484, 14.2114, 24.3604 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(181, 54, 135)` looks like.

```
.text, #text, p{  
    color:rgb(181, 54, 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(181, 54, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 54, 135) }
```

Border

The CSS property to change the border of an element to XYZ 24.7484, 14.2114, 24.3604 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(181, 54, 135) }
```


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

```
.border{ border-color:rgb(181, 54, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 54, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 54, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 54, 135);  
box-shadow:4px 4px 4px 4px rgb(181, 54,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7484, 14.2114, 24.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 54, 135) }
```

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

```
.background{ background-color: rgb(181, 54,  
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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