

Converting Colors

XYZ(24.2547, 12.5682, 14.0958)

Have a look what the booklet for
XYZ(24.2547, 12.5682, 14.0958)
contains.

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Color

**XYZ(24.1669, 12.5214,
13.9751)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1367
RGB	191, 19, 103
RGB Percent	75%, 7%, 40%
CMY	0.2510, 0.9254, 0.5961
CMYK	0.00, 0.90, 0.46, 0.25
HSL	331°, 82%, 41%
HSV	331°, 90%, 75%
XYZ	24.1669, 12.5214, 13.9751
YIQ	80.0040, 75.5480, 62.5880

Conversions

Conversions Part 2

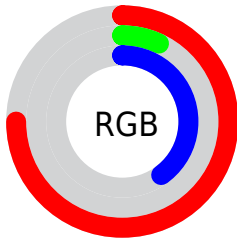
Format	Color
R_{YB}	191, 19, 103
Decimal	12522343
CIE Lab	42.03, 66.62, -0.83
CIE LCh	42, 66.623, 359.288
Yxy	12.5214, 0.4770, 0.2471
Android (android.graphics.Color)	4290712423 (0xFFBF1367)
YUV	80.0040, 11.3370, 97.3435
Hunter-Lab	35.3856, 59.9834, 1.3541

Details

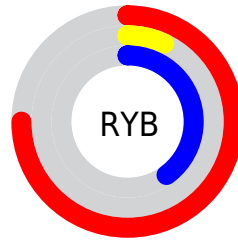
The XYZ color **24.1669, 12.5214, 13.9751** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **21.5548, 38.4622, 20.2040**, and the grayscale version is **7.5964, 7.9920, 8.7033**.

A 20% lighter version of the original color is **49.6338, 30.3409, 33.8122**, and **10.0739, 5.1108, 4.1969** is the 20% darker color. If you saturate the color by 10%, you get **23.4734, 11.8714, 11.4721**, and if you desaturate by 10%, it is **25.1507, 13.6576, 16.8666**.

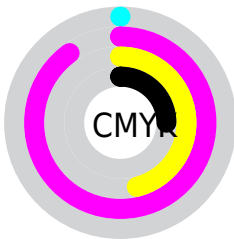
Distribution



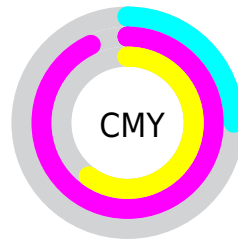
- Red (75%)
- Green (7%)
- Blue (40%)



- Red (75%)
- Yellow (7%)
- Blue (40%)



- Cyan (0%)
- Magenta (90%)
- Yellow (46%)
- Black (25%)





- Cyan (25%)
- Magenta (93%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1669, 12.5214, 13.9751 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 24.1669, 12.5214, 13.9751 by changing the saturation by 10% instead.


 24.1669, 12.5214,
13.9751


 24.1669, 12.5214,
13.9751


266.0880,
207.8272, 228.4989

 15.5829, 7.0998,
7.9648


 49.7551, 30.4412,
33.7613


 9.3184, 3.5246,
3.9850


 67.4900, 43.7083,
48.3743


 5.0082, 1.4114,
1.6171

 89.0059, 60.3593,
66.6920

 2.2869, 0.2251,
0.3030

 114.6682, 80.7786,
89.1328

 0.7880, 0.0000,
0.0000

 144.8422,
105.3507, 116.1154

 0.0000, 0.0000,
0.0000

 179.8933,

134.4598, 148.0583

220.1868,
168.4906, 185.3799

■ 24.1669, 12.5214,
13.9751

■ 24.1669, 12.5214,
13.9751

■ 23.4734, 11.8714,
11.4721

■ 25.1507, 13.6576,
16.8666

■ 26.5068, 15.4434,
20.1744

■ 28.2793, 17.9645,
23.9219

■ 30.5057, 21.2930,
28.1302

■ 33.2189, 25.4919,
32.8183

■ 36.4485, 30.6183,
38.0039

■ 40.2219, 36.7242,
43.7037

■ 44.5643, 43.8578,
49.9333

■ 49.4993, 52.0641,
56.7078

Harmonies

Analogous

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



22.0917, 12.5214, 32.8091



24.1669, 12.5214, 13.9751



22.2708, 12.5214, 4.1794

Triad

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



24.1669, 12.5214, 13.9751



7.8291, 12.5214, 1.0048



7.6752, 12.5214, 53.0091

Complementary

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



24.1669, 12.5214, 13.9751



21.5548, 38.4622, 20.2040

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.



5.3849, 12.5214, 31.7671



24.1669, 12.5214, 13.9751



5.4548, 12.5214, 3.9184

Square

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



24.1669, 12.5214, 13.9751



12.0198, 12.5214, 0.4092



4.7002, 12.5214, 13.2979



11.7834, 12.5214, 63.0202

Rectangle

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



24.1669, 12.5214, 13.9751



19.2437, 12.5214, 1.6565



4.7002, 12.5214, 13.2979



6.7138, 12.5214, 46.4484

Sweetspot

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



24.1672, 12.5221, 13.9753



66.9497, 57.5222, 70.6428



15.4642, 7.2320, 49.8709



14.2197, 11.8573, 14.7669



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.



24.1672, 12.5221, 13.9753



41.9192, 21.2130, 19.9044



21.8368, 11.5899, 1.7033



9.7191, 9.6119, 10.9096



15.4669, 7.8179, 7.7523



0.6389, 0.3195, 0.4778

Inverse Universe

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



24.1672, 12.5221, 13.9753



41.9192, 21.2130, 19.9044



28.3037, 41.1617, 55.7433



9.7191, 9.6119, 10.9096



15.4669, 7.8179, 7.7523



0.6389, 0.3195, 0.4778

Previews

White Background



This preview shows how the XYZ color 24.1669, 12.5214, 13.9751 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 24.1669, 12.5214, 13.9751 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 24.1669, 12.5214, 13.9751

Background



This preview shows how black text looks on a background with the XYZ color 24.1669, 12.5214, 13.9751.



This preview shows how white text looks on a background with the XYZ color 24.1669, 12.5214,

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

24.1669, 12.5214, 13.9751

Protanopia

13.3965, 12.9303, 28.9839

Deuteranopia

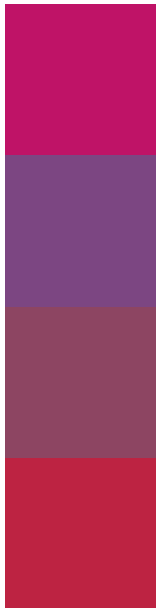
13.1503, 12.8863, 12.6207



Tritanopia

22.1134, 12.6822, 3.7650

Trichromacy



Original Color

24.1669, 12.5214, 13.9751

Protanomaly

14.5316, 10.2771, 22.3369

Deuteranomaly

15.3172, 10.8008, 12.8327

Tritanomaly

22.5707, 12.4142, 6.3608

Monochromacy



Original Color

24.1669, 12.5214, 13.9751

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

11.0202, 7.7238, 10.1425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1669, 12.5214, 13.9751 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(191, 19, 103)` looks like.

```
.text, #text, p{  
    color:rgb(191, 19, 103)  
}
```

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(191, 19, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 19, 103) }
```

Border

The CSS property to change the border of an element to XYZ 24.1669, 12.5214, 13.9751 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(191, 19, 103) }
```


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

```
.border{ border-color:rgb(191, 19, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 19, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 19, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 19, 103); box-shadow:4px 4px 4px 4px rgb(191, 19, 103) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1669, 12.5214, 13.9751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 19, 103) }
```

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

```
.background{ background-color: rgb(191, 19,  
103) }
```

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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