

Converting Colors

XYZ(24.1074, 12.5091, 13.3203)

Have a look what the booklet for
XYZ(24.1074, 12.5091, 13.3203)
contains.

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Color

**XYZ(24.0190, 12.4622,
13.1961)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1364
RGB	191, 19, 100
RGB Percent	75%, 7%, 39%
CMY	0.2510, 0.9254, 0.6078
CMYK	0.00, 0.90, 0.48, 0.25
HSL	332°, 82%, 41%
HSV	332°, 90%, 75%
XYZ	24.0190, 12.4622, 13.1961
YIQ	79.6620, 76.5110, 61.6550

Conversions

Conversions Part 2

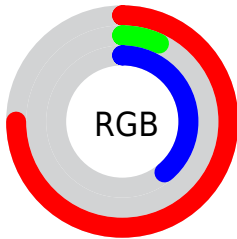
Format	Color
R_{YB}	191, 19, 100
Decimal	12522340
CIE Lab	41.94, 66.37, 0.92
CIE LCh	42, 66.372, 0.798
Yxy	12.4622, 0.4835, 0.2509
Android (android.graphics.Color)	4290712420 (0xFFBF1364)
YUV	79.6620, 10.0266, 97.6434
Hunter-Lab	35.3018, 59.6713, 2.5482

Details

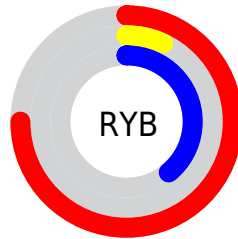
The XYZ color **24.0190, 12.4622, 13.1961** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **21.7154, 38.5265, 21.0497**, and the grayscale version is **7.5323, 7.9246, 8.6299**.

A 20% lighter version of the original color is **49.3870, 30.2421, 32.5125**, and **10.0259, 5.0916, 3.9444** is the 20% darker color. If you saturate the color by 10%, you get **23.3285, 11.8134, 10.7091**, and if you desaturate by 10%, it is **25.0031, 13.5985, 16.0893**.

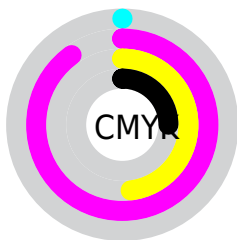
Distribution



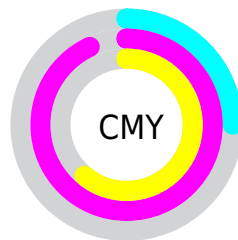
- Red (75%)
- Green (7%)
- Blue (39%)



- Red (75%)
- Yellow (7%)
- Blue (39%)



- Cyan (0%)
- Magenta (90%)
- Yellow (48%)
- Black (25%)





- Cyan (25%)
- Magenta (93%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0190, 12.4622, 13.1961 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 24.0190, 12.4622, 13.1961 by changing the saturation by 10% instead.


 24.0190, 12.4622,
13.1961


 24.0190, 12.4622,
13.1961

265.3552,
207.4416, 223.4224


 15.4725, 7.0593,
7.4314


 49.5157, 30.3342,
32.3520


 9.2402, 3.4992,
3.6508


 67.1965, 43.5720,
46.5802


 4.9565, 1.3976,
1.4358

 88.6530, 60.1902,
64.4668

 2.2563, 0.2149,
0.1694

 114.2502, 80.5733,
86.4301

 0.7721, 0.0000,
0.0000

 144.3537,
105.1056, 112.8888

 0.0000, 0.0000,
0.0000

 179.3288,

134.1714, 144.2614

219.5409,
168.1553, 180.9664

■ 24.0190, 12.4622,
13.1961

■ 24.0190, 12.4622,
13.1961

■ 23.3285, 11.8134,
10.7091

■ 25.0031, 13.5985,
16.0893

■ 26.3631, 15.3858,
19.4175

■ 28.1432, 17.9099,
23.2054

■ 30.3812, 21.2429,
27.4750

■ 33.1101, 25.4482,
32.2464

■ 36.3599, 30.5826,
37.5382

■ 40.1580, 36.6983,
43.3679

■ 44.5297, 43.8436,
49.7521

■ 49.4989, 52.0634,
56.7066

Harmonies

Analogous

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



22.1484, 12.4622, 31.5040



24.0190, 12.4622, 13.1961



21.9494, 12.4622, 3.8980

Triad

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



24.0190, 12.4622, 13.1961



7.6378, 12.4622, 1.0736



7.8091, 12.4622, 53.5156

Complementary

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



24.0190, 12.4622, 13.1961



21.7154, 38.5265, 21.0497

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.



5.4440, 12.4622, 32.6616



24.0190, 12.4622, 13.1961



5.3660, 12.4622, 4.1890

Square

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



24.0190, 12.4622, 13.1961



11.7139, 12.4622, 0.4158



4.6892, 12.4622, 13.9493



11.9769, 12.4622, 62.5556

Rectangle

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



24.0190, 12.4622, 13.1961



18.8726, 12.4622, 1.5495



4.6892, 12.4622, 13.9493



6.8225, 12.4622, 47.1694

Sweetspot

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



24.0193, 12.4629, 13.1963



66.8022, 57.4632, 69.8660



15.8066, 7.4085, 49.8870



14.1842, 11.8431, 14.5800



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.



24.0193, 12.4629, 13.1963



41.6611, 21.1097, 18.5451



21.8883, 11.6930, 1.7204



9.7121, 9.6091, 10.8730



15.3713, 7.7797, 7.2487



0.6352, 0.3180, 0.4580

Inverse Universe

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



24.0193, 12.4629, 13.1963



41.6611, 21.1097, 18.5451



27.6847, 39.9238, 55.5371



9.7121, 9.6091, 10.8730



15.3713, 7.7797, 7.2487



0.6352, 0.3180, 0.4580

Previews

White Background



This preview shows how the XYZ color 24.0190, 12.4622, 13.1961 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 24.0190, 12.4622, 13.1961 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 24.0190, 12.4622, 13.1961

Background



This preview shows how black text looks on a background with the XYZ color 24.0190, 12.4622, 13.1961.



This preview shows how white text looks on a background with the XYZ color 24.0190, 12.4622,

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

24.0190, 12.4622, 13.1961

Protanopia

13.2748, 12.9029, 27.3820

Deuteranopia

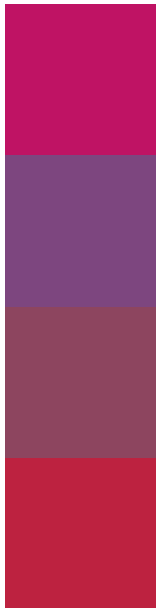
13.0165, 12.8328, 11.9161



Tritanopia

22.0390, 12.5935, 3.5547

Trichromacy



Original Color

24.0190, 12.4622, 13.1961

Protanomaly

14.4784, 10.2726, 21.2984

Deuteranomaly

15.1782, 10.7452, 12.1005

Tritanomaly

22.4837, 12.3330, 6.0460

Monochromacy



Original Color

24.0190, 12.4622, 13.1961

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.9791, 7.7073, 9.9258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0190, 12.4622, 13.1961 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(191, 19, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 19, 100) }
```

Border

The CSS property to change the border of an element to XYZ 24.0190, 12.4622, 13.1961 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, 100) }
```


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

```
.border{ border-color:rgb(191, 19, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 19, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 19, 100);  
box-shadow:4px 4px 4px 4px rgb(191, 19,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0190, 12.4622, 13.1961 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, 100) }
```

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

```
.background{ background-color: rgb(191, 19,  
100) }
```

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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