

Converting Colors

XYZ(23.9469, 12.0681, 13.6364)

Have a look what the booklet for
XYZ(23.9469, 12.0681, 13.6364)
contains.

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Color

**XYZ(23.8841, 12.0357,
13.6347)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0066
RGB	191, 0, 102
RGB Percent	75%, 0%, 40%
CMY	0.2510, 0.9999, 0.6000
CMYK	0.00, 1.00, 0.47, 0.25
HSL	328°, 100%, 37%
HSV	328°, 100%, 75%
XYZ	23.8841, 12.0357, 13.6347
YIQ	68.7370, 81.0940, 72.2140

Conversions

Conversions Part 2

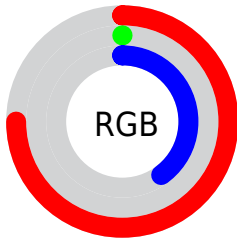
Format	Color
R_{YB}	191, 0, 102
Decimal	12517478
CIE _{Lab}	41.27, 68.65, -1.31
CIE _{LCh}	41, 68.667, 358.904
Yxy	12.0357, 0.4820, 0.2429
Android (android.graphics.Color)	4290707558 (0xFFBF0066)
YUV	68.7370, 16.3987, 107.2247
Hunter-Lab	34.6925, 62.1767, 0.9829

Details

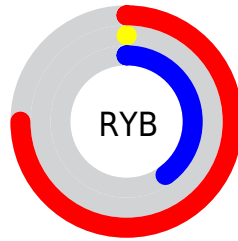
The XYZ color **23.8841, 12.0357, 13.6347** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.4358, 37.9835, 15.7135**, and the grayscale version is **5.5818, 5.8725, 6.3952**.

A 20% lighter version of the original color is **49.5063, 29.6796, 33.2564**, and **10.0739, 5.1108, 4.1969** is the 20% darker color. If you saturate the color by 10%, you get **23.8832, 12.0353, 13.6303**, and if you desaturate by 10%, it is **24.5848, 12.6922, 16.1647**.

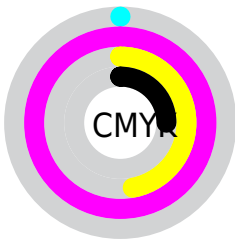
Distribution



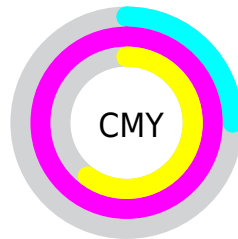
- Red (75%)
- Green (0%)
- Blue (40%)



- Red (75%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8841, 12.0357, 13.6347 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 23.8841, 12.0357, 13.6347 by changing the saturation by 10% instead.

■ 23.8841, 12.0357,
13.6347

■ 23.8841, 12.0357,
13.6347

264.6854,
204.6415, 226.2951

■ 15.3719, 6.7680,
7.7312

■ 49.2971, 29.5601,
33.1472

■ 9.1688, 3.3174,
3.8381

■ 66.9286, 42.5856,
47.5932

■ 4.9095, 1.2996,
1.5370

■ 88.3306, 58.9658,
65.7239

■ 2.2285, 0.1409,
0.2452

■ 113.8684, 79.0851,
87.9577

■ 0.7577, 0.0000,
0.0000

■ 143.9074,
103.3280, 114.7132

■ 0.0000, 0.0000,
0.0000

■ 178.8131,

132.0787, 146.4089

218.9506,
165.7218, 183.4634

■ 23.8841, 12.0357,
13.6347

■ 23.8841, 12.0357,
13.6347

■ 23.8832, 12.0353,
13.6303

■ 24.5848, 12.6922,
16.1647

■ 25.5647, 13.8290,
19.0287

■ 26.9084, 15.6131,
22.2617

■ 28.6594, 18.1291,
25.8845

■ 30.8544, 21.4488,
29.9158

■ 33.5259, 25.6353,
34.3723

■ 36.7034, 30.7452,
39.2696

■ 40.4136, 36.8305,
44.6224

■ 44.6814, 43.9391,
50.4444

Harmonies

Analogous

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



21.7154, 12.0357, 32.9028



23.8841, 12.0357, 13.6347



21.9965, 12.0357, 3.8346

Triad

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



23.8841, 12.0357, 13.6347



7.4181, 12.0357, 0.7723



7.1837, 12.0357, 53.2221

Complementary

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



23.8841, 12.0357, 13.6347



20.4358, 37.9835, 15.7135

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.



4.9525, 12.0357, 31.2580



23.8841, 12.0357, 13.6347



5.0577, 12.0357, 3.4491

Square

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



23.8841, 12.0357, 13.6347



11.6231, 12.0357, 0.1752



4.3036, 12.0357, 12.5889



11.2580, 12.0357, 63.8471

Rectangle

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



23.8841, 12.0357, 13.6347



18.9315, 12.0357, 1.4129



4.3036, 12.0357, 12.5889



6.2422, 12.0357, 46.3907

Sweetspot

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



23.8844, 12.0364, 13.6349



65.4333, 54.5729, 69.8804



13.2393, 5.7394, 49.7000



13.8144, 11.0880, 14.5051



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.



23.8844, 12.0364, 13.6349



42.6511, 21.5058, 23.7586



21.5386, 11.0981, 1.2822



9.7373, 9.6192, 11.0058



15.7368, 7.9259, 9.1738



0.6492, 0.3236, 0.5318

Inverse Universe

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



23.8844, 12.0364, 13.6349



42.6511, 21.5058, 23.7586



27.0180, 40.6164, 50.3750



9.7373, 9.6192, 11.0058



15.7368, 7.9259, 9.1738



0.6492, 0.3236, 0.5318

Previews

White Background



This preview shows how the XYZ color 23.8841, 12.0357, 13.6347 looks on a white background.

Color Contrast Check

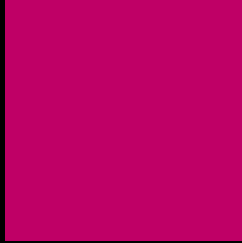
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8841, 12.0357, 13.6347 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 23.8841, 12.0357, 13.6347

Background



This preview shows how black text looks on a background with the XYZ color 23.8841, 12.0357, 13.6347.



This preview shows how white text looks on a background with the XYZ color 23.8841, 12.0357,

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

23.8841, 12.0357, 13.6347

Protanopia

13.2903, 12.7268, 29.3598

Deuteranopia

12.8853, 12.6186, 12.3462



Tritanopia

21.8981, 12.3690, 3.3311

Trichromacy



Original Color

23.8841, 12.0357, 13.6347



Protanomaly

13.9877, 9.2949, 22.5296



Deuteranomaly

14.8109, 9.8633, 12.4324



Tritanomaly

22.2311, 11.8730, 5.8226

Monochromacy



Original Color

23.8841, 12.0357, 13.6347



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.1959, 5.9062, 8.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8841, 12.0357, 13.6347 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, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 102)  
}
```

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, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 23.8841, 12.0357, 13.6347 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, 0, 102) }
```


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

```
.border{ border-color:rgb(191, 0, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8841, 12.0357, 13.6347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 102) }
```

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

```
.background{ background-color: rgb(191, 0,  
102) }
```

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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