

Converting Colors

XYZ(22.8761, 10.4691, 7.7811)

Have a look what the booklet for
XYZ(22.8761, 10.4691, 7.7811)
contains.

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Color

**XYZ(23.5877, 12.0052,
8.0952)**

Conversions

Conversions Part 1

Format	Color
Hex	C2004D
RGB	194, 0, 77
RGB Percent	76%, 0%, 30%
CMY	0.2392, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.60, 0.24
HSL	336°, 100%, 38%
HSV	336°, 100%, 76%
XYZ	23.5877, 12.0052, 8.0952
YIQ	66.7840, 90.9070, 65.0750

Conversions

Conversions Part 2

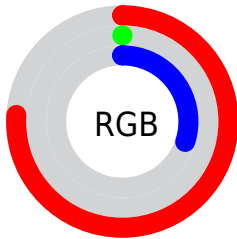
Format	Color
RYB	194, 0, 77
Decimal	12714061
CIELab	41.22, 67.55, 14.56
CIElCh	41, 69.105, 12.167
Yxy	12.0052, 0.5399, 0.2748
Android (android.graphics.Color)	4290904141 (0xFFC2004D)
YUV	66.7840, 5.0365, 111.5684
Hunter-Lab	34.6485, 60.8827, 10.4016

Details

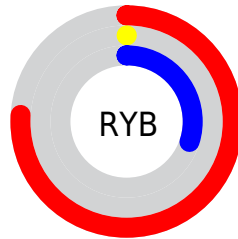
The XYZ color **23.5877, 12.0052, 8.0952** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.5053, 39.8689, 23.3507**, and the grayscale version is **5.2866, 5.5619, 6.0569**.

A 20% lighter version of the original color is **48.2544, 29.2634, 22.8438**, and **9.9616, 5.1020, 1.9731** is the 20% darker color. If you saturate the color by 10%, you get **23.5867, 12.0048, 8.0909**, and if you desaturate by 10%, it is **24.2791, 12.6663, 10.5510**.

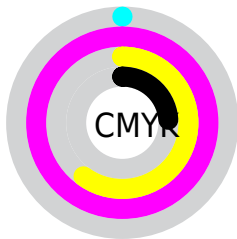
Distribution



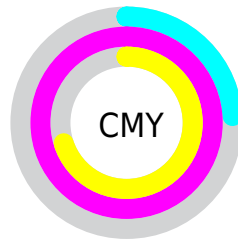
- Red (76%)
- Green (0%)
- Blue (30%)



- Red (76%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5877, 12.0052, 8.0952 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 23.5877, 12.0052, 8.0952 by changing the saturation by 10% instead.


 23.5877, 12.0052,
8.0952


 23.5877, 12.0052,
8.0952


263.2087,
204.4397, 186.4392


 15.1511, 6.7472,
4.0673


 48.8161, 29.5046,
22.6941


 9.0125, 3.3045,
1.6623


 66.3387, 42.5148,
34.1022

 4.8065, 1.2927,
0.3347

 87.6207, 58.8778,
48.8074

 2.1678, 0.1355,
0.0000

 113.0274, 78.9781,
67.2282

 0.7257, 0.0000,
0.0000

 142.9242,
103.2000, 89.7833

 0.0000, 0.0000,
0.0000

 177.6764,

131.9280, 116.8911

217.6495,
165.5465, 148.9703

■ 23.5877, 12.0052,
8.0952

■ 23.5877, 12.0052,
8.0952

■ 23.5867, 12.0048,
8.0909

■ 24.2791, 12.6663,
10.5510

■ 25.2881, 13.8377,
13.4977

■ 26.7037, 15.6918,
16.9819

■ 28.5728, 18.3173,
21.0353

■ 30.9356, 21.7895,
25.6863

■ 33.8274, 26.1747,
30.9612

■ 37.2802, 31.5325,
36.8843

■ 41.3235, 37.9172,
43.4784

■ 45.9844, 45.3794,
50.7654

Harmonies

Analogous

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



23.1918, 12.0052, 23.4163



23.5877, 12.0052, 8.0952



20.0973, 12.0052, 1.9440

Triad

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



23.5877, 12.0052, 8.0952



6.1074, 12.0052, 1.4534



8.7183, 12.0052, 60.5271

Complementary

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



23.5877, 12.0052, 8.0952



22.5053, 39.8689, 23.3507

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.



5.6761, 12.0052, 41.5379



23.5877, 12.0052, 8.0952



4.4993, 12.0052, 6.3354

Square

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



23.5877, 12.0052, 8.0952



9.5063, 12.0052, 0.2464



4.3686, 12.0052, 19.7572



13.5536, 12.0052, 62.5004

Rectangle

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



23.5877, 12.0052, 8.0952



16.4996, 12.0052, 0.6968



4.3686, 12.0052, 19.7572



7.4930, 12.0052, 55.5111

Sweetspot

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



23.5880, 12.0059, 8.0954



67.2078, 56.6049, 66.2651



16.9958, 7.6374, 51.6170



14.1055, 11.4414, 13.4741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.5880, 12.0059, 8.0954



42.6165, 21.7029, 14.0425



22.4885, 11.9500, 1.1224



10.2350, 10.1426, 11.3282



15.5456, 7.9080, 5.5194



0.7057, 0.3553, 0.4174

Inverse Universe

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



23.5880, 12.0059, 8.0954



42.6165, 21.7029, 14.0425



24.9909, 34.4011, 56.3616



10.2350, 10.1426, 11.3282



15.5456, 7.9080, 5.5194



0.7057, 0.3553, 0.4174

Previews

White Background



This preview shows how the XYZ color 23.5877, 12.0052, 8.0952 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 23.5877,
12.0052, 8.0952 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 23.5877, 12.0052, 8.0952

Background



This preview shows how black text looks on a background with the XYZ color 23.5877, 12.0052, 8.0952.



This preview shows how white text looks on a background with the XYZ color 23.5877, 12.0052,

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

23.5877, 12.0052, 8.0952

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

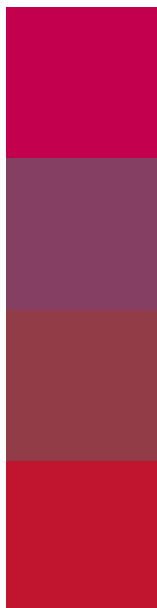
12.7741, 12.5360, 7.3766



Tritanopia

22.4500, 12.2751, 2.3485

Trichromacy



Original Color

23.5877, 12.0052, 8.0952

Protanomaly

13.7025, 9.4424, 12.9047

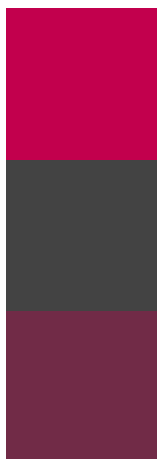
Deuteranomaly

14.6396, 9.8106, 7.2529

Tritanomaly

22.7356, 12.0350, 3.7095

Monochromacy



Original Color

23.5877, 12.0052, 8.0952

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.8113, 5.6934, 6.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5877, 12.0052, 8.0952 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(194, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 77)  
}
```

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(194, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 23.5877, 12.0052, 8.0952 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(194, 0, 77) }
```


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

```
.border{ border-color:rgb(194, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(194, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5877, 12.0052, 8.0952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 77) }
```

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

```
.background{ background-color: rgb(194, 0,  
77) }
```

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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