

Converting Colors

XYZ(20.9845, 6.3319, 7.4111)

Have a look what the booklet for
XYZ(20.9845, 6.3319, 7.4111)
contains.

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Color

**XYZ(23.8808, 12.1522,
8.2947)**

Conversions

Conversions Part 1

Format	Color
Hex	C3004E
RGB	195, 0, 78
RGB Percent	76%, 0%, 31%
CMY	0.2353, 0.9998, 0.6941
CMYK	0.00, 1.00, 0.60, 0.24
HSL	336°, 100%, 38%
HSV	336°, 100%, 76%
XYZ	23.8808, 12.1522, 8.2947
YIQ	67.1970, 91.1820, 65.5980

Conversions

Conversions Part 2

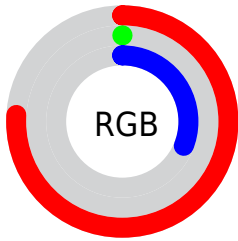
Format	Color
RYB	195, 0, 78
Decimal	12779598
CIELab	41.46, 67.85, 14.28
CIELCh	41, 69.333, 11.886
Yxy	12.1522, 0.5387, 0.2741
Android (android.graphics.Color)	4290969678 (0xFFC3004E)
YUV	67.1970, 5.3259, 112.0832
Hunter-Lab	34.8600, 61.2762, 10.2944

Details

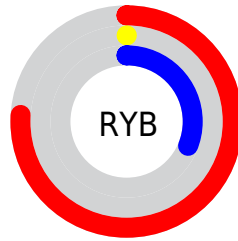
The XYZ color **23.8808, 12.1522, 8.2947** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.7286, 40.3154, 23.4254**, and the grayscale version is **5.3514, 5.6301, 6.1312**.

A 20% lighter version of the original color is **48.3193, 29.2893, 23.1854**, and **10.1349, 5.1897, 2.0576** is the 20% darker color. If you saturate the color by 10%, you get **23.8798, 12.1517, 8.2902**, and if you desaturate by 10%, it is **24.5804, 12.8194, 10.7855**.

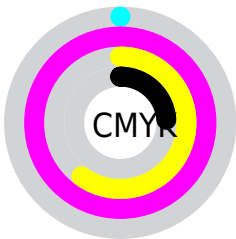
Distribution



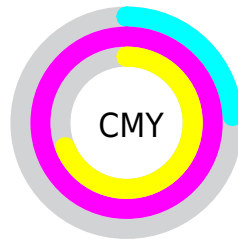
- Red (76%)
- Green (0%)
- Blue (31%)



- Red (76%)
- Yellow (0%)
- Blue (31%)



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





- Cyan (24%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8808, 12.1522, 8.2947 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 23.8808, 12.1522, 8.2947 by changing the saturation by 10% instead.


 23.8808, 12.1522,
8.2947


 23.8808, 12.1522,
8.2947


264.6690,
205.4103, 188.0456


 15.3695, 6.8474,
4.1936


 49.2917, 29.7720,
23.0898


 9.1671, 3.3669,
1.7322


 66.9220, 42.8558,
34.6209

 4.9083, 1.3261,
0.3826

 88.3227, 59.3014,
49.4658

 2.2278, 0.1613,
0.0000

 113.8591, 79.4932,
68.0430

 0.7573, 0.0000,
0.0000

 143.8965,
103.8156, 90.7711

 0.0000, 0.0000,
0.0000

 178.8004,

132.6530, 118.0685

218.9361,
166.3898, 150.3538

■ 23.8808, 12.1522,
8.2947

■ 23.8808, 12.1522,
8.2947

■ 23.8798, 12.1517,
8.2902

■ 24.5804, 12.8194,
10.7855

■ 25.6012, 14.0032,
13.7698

■ 27.0326, 15.8775,
17.2944

■ 28.9222, 18.5323,
21.3910

■ 31.3107, 22.0437,
26.0884

■ 34.2337, 26.4788,
31.4126

■ 37.7237, 31.8979,
37.3881

■ 41.8104, 38.3562,
44.0379

■ 46.5214, 45.9047,
51.3837

Harmonies

Analogous

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



23.4409, 12.1522, 23.8848



23.8808, 12.1522, 8.2947



20.3818, 12.1522, 2.0004

Triad

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



23.8808, 12.1522, 8.2947



6.2088, 12.1522, 1.4538



8.7893, 12.1522, 61.0954

Complementary

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



23.8808, 12.1522, 8.2947



22.7286, 40.3154, 23.4254

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.



5.7291, 12.1522, 41.7976



23.8808, 12.1522, 8.2947



4.5661, 12.1522, 6.3374

Square

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



23.8808, 12.1522, 8.2947



9.6653, 12.1522, 0.2539



4.4207, 12.1522, 19.8184



13.6658, 12.1522, 63.2871

Rectangle

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



23.8808, 12.1522, 8.2947



16.7510, 12.1522, 0.7219



4.4207, 12.1522, 19.8184



7.5557, 12.1522, 55.9743

Sweetspot

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



23.8811, 12.1529, 8.2949



67.2364, 56.6164, 66.4157



17.1889, 7.7240, 52.2143



14.1123, 11.4442, 13.5102



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.



23.8811, 12.1529, 8.2949



42.6545, 21.7182, 14.2429



22.7478, 12.0862, 1.1351



10.2363, 10.1431, 11.3350



15.5598, 7.9137, 5.5939



0.7063, 0.3555, 0.4209

Inverse Universe

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



23.8811, 12.1529, 8.2949



42.6545, 21.7182, 14.2429



25.2789, 34.7966, 57.0134



10.2363, 10.1431, 11.3350



15.5598, 7.9137, 5.5939



0.7063, 0.3555, 0.4209

Previews

White Background



This preview shows how the XYZ color 23.8808, 12.1522, 8.2947 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



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 23.8808, 12.1522, 8.2947

Background



This preview shows how black text looks on a background with the XYZ color 23.8808, 12.1522, 8.2947.



This preview shows how white text looks on a background with the XYZ color 23.8808, 12.1522,

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

23.8808, 12.1522, 8.2947

Protanopia

12.6314, 12.9259, 17.7488

Deuteranopia

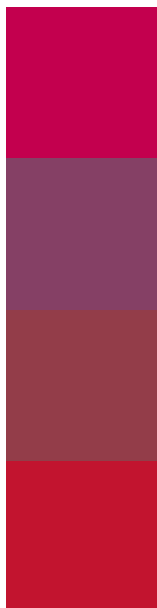
13.0341, 12.8010, 7.5782



Tritanopia

22.7041, 12.4061, 2.3604

Trichromacy



Original Color

23.8808, 12.1522, 8.2947

Protanomaly

13.8552, 9.5929, 13.4333

Deuteranomaly

14.9040, 10.0216, 7.4522

Tritanomaly

23.0114, 12.1749, 3.8265

Monochromacy



Original Color

23.8808, 12.1522, 8.2947

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.9406, 5.7601, 6.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8808, 12.1522, 8.2947 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(195, 0, 78)` looks like.

```
.text, #text, p{  
  color:rgb(195, 0, 78)  
}
```

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(195, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 23.8808, 12.1522, 8.2947 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(195, 0, 78) }
```


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

```
.border{ border-color:rgb(195, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(195, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8808, 12.1522, 8.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 78) }
```

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

```
.background{ background-color: rgb(195, 0,  
78) }
```

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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