

Converting Colors

XYZ(23.8736, 12.0977, 10.5880)

Have a look what the booklet for
XYZ(23.8736, 12.0977, 10.5880)
contains.

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Color

**XYZ(23.7955, 12.0587,
10.5246)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C10059 |
| RGB | 193, 0, 89 |
| RGB Percent | 76%, 0%, 35% |
| CMY | 0.2431, 0.9999, 0.6510 |
| CMYK | 0.00, 1.00, 0.54, 0.24 |
| HSL | 332°, 100%, 38% |
| HSV | 332°, 100%, 76% |
| XYZ | 23.7955, 12.0587, 10.5246 |
| YIQ | 67.8530, 86.4590, 68.5950 |

Conversions

Conversions Part 2

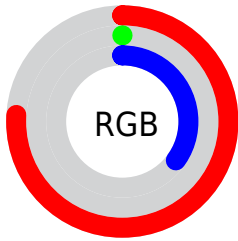
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 193, 0, 89 |
| Decimal | 12648537 |
| CIE Lab | 41.31, 68.11, 7.02 |
| CIE LCh | 41, 68.468, 5.887 |
| Yxy | 12.0587, 0.5131, 0.2600 |
| Android (android.graphics.Color) | 4290838617 (0xFFC10059) |
| YUV | 67.8530, 10.4255, 109.7539 |
| Hunter-Lab | 34.7256, 61.5460, 6.3384 |

Details

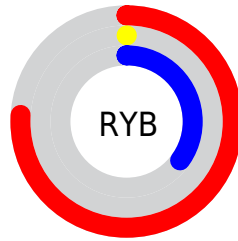
The XYZ color **23.7955, 12.0587, 10.5246** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.5707, 39.1402, 19.5234**, and the grayscale version is **5.4479, 5.7316, 6.2417**.

A 20% lighter version of the original color is **49.1487, 29.6211, 27.5531**, and **9.9703, 5.0874, 2.8393** is the 20% darker color. If you saturate the color by 10%, you get **23.7947, 12.0584, 10.5206**, and if you desaturate by 10%, it is **24.5022, 12.7231, 13.0698**.

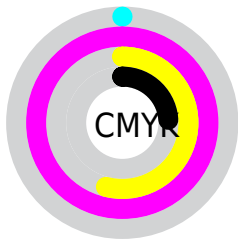
Distribution



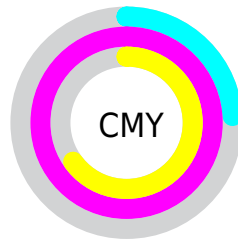
- Red (76%)
- Green (0%)
- Blue (35%)



- Red (76%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7955, 12.0587, 10.5246 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 23.7955, 12.0587, 10.5246 by changing the saturation by 10% instead.


 23.7955, 12.0587,
10.5246


 23.7955, 12.0587,
10.5246


264.2447,
204.7935, 204.9953


 15.3059, 6.7837,
5.6380


 49.1534, 29.6020,
27.4007


 9.1221, 3.3272,
2.5610


 66.7524, 42.6390,
40.2274


 4.8786, 1.3048,
0.8722


 88.1186, 59.0321,
56.5378

 2.2103, 0.1449,
0.0000

 113.6173, 79.1658,
76.7505

 0.7481, 0.0000,
0.0000

 143.6139,
103.4244, 101.2841

 0.0000, 0.0000,
0.0000

 178.4738,

132.1923, 130.5570

218.5622,
165.8538, 164.9879

■ 23.7955, 12.0587,
10.5246

■ 23.7955, 12.0587,
10.5246

■ 23.7947, 12.0584,
10.5206

■ 24.5022, 12.7231,
13.0698

■ 25.5096, 13.8860,
16.0317

■ 26.9046, 15.7179,
19.4506

■ 28.7327, 18.3060,
23.3525

■ 31.0324, 21.7242,
27.7605

■ 33.8378, 26.0376,
32.6957

■ 37.1798, 31.3046,
38.1780

■ 41.0865, 37.5788,
44.2257

■ 45.5842, 44.9096,
50.8564

Harmonies

Analogous

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



22.5464, 12.0587, 27.7350



23.7955, 12.0587, 10.5246



21.0463, 12.0587, 2.7492

Triad

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



23.7955, 12.0587, 10.5246



6.7334, 12.0587, 1.1079



7.9922, 12.0587, 57.1206

Complementary

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



23.7955, 12.0587, 10.5246



21.5707, 39.1402, 19.5234

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.



5.3443, 12.0587, 36.5083



23.7955, 12.0587, 10.5246



4.7778, 12.0587, 4.8379

Square

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



23.7955, 12.0587, 10.5246



10.5114, 12.0587, 0.2179



4.3549, 12.0587, 16.1331



12.4670, 12.0587, 63.2939

Rectangle

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



23.7955, 12.0587, 10.5246



17.6802, 12.0587, 1.0172



4.3549, 12.0587, 16.1331



6.9043, 12.0587, 51.1713

Sweetspot

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



23.7958, 12.0594, 10.5248



66.2749, 55.5662, 67.8756



15.2136, 6.7315, 50.9494



13.6511, 11.0227, 13.6449



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.



23.7958, 12.0594, 10.5248



42.4955, 21.5483, 18.2043



22.0626, 11.4779, 1.0536



10.2620, 10.1534, 11.4704



15.8658, 8.0361, 7.2054



0.7203, 0.3611, 0.4944

Inverse Universe

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



23.7958, 12.0594, 10.5248



42.4955, 21.5483, 18.2043



27.3048, 39.2079, 56.5807



10.2620, 10.1534, 11.4704



15.8658, 8.0361, 7.2054



0.7203, 0.3611, 0.4944

Previews

White Background



This preview shows how the XYZ color 23.7955, 12.0587, 10.5246 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 23.7955, 12.0587, 10.5246 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 23.7955, 12.0587, 10.5246

Background



This preview shows how black text looks on a background with the XYZ color 23.7955, 12.0587, 10.5246.



This preview shows how white text looks on a background with the XYZ color 23.7955, 12.0587,

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

23.7955, 12.0587, 10.5246

Protanopia

12.8379, 12.7840, 22.5598

Deuteranopia

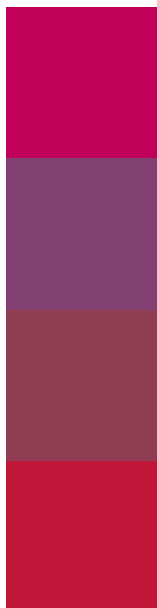
12.8705, 12.6728, 9.5523



Tritanopia

22.3903, 12.3998, 2.8034

Trichromacy



Original Color

23.7955, 12.0587, 10.5246

Protanomaly

13.8680, 9.4370, 17.0102

Deuteranomaly

14.7706, 9.9069, 9.5212

Tritanomaly

22.7147, 12.0561, 4.7443

Monochromacy



Original Color

23.7955, 12.0587, 10.5246

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.9784, 5.7603, 7.4761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7955, 12.0587, 10.5246 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(193, 0, 89)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 89)  
}
```

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(193, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.7955, 12.0587, 10.5246 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(193, 0, 89) }
```


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

```
.border{ border-color:rgb(193, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7955, 12.0587, 10.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 89) }
```

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

```
.background{ background-color: rgb(193, 0,  
89) }
```

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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