

Converting Colors

XYZ(23.8378, 12.0756, 10.7473)

Have a look what the booklet for
XYZ(23.8378, 12.0756, 10.7473)
contains.

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Color

**XYZ(23.8378, 12.0756,
10.7473)**

Conversions

Conversions Part 1

Format	Color
Hex	C1005A
RGB	193, 0, 90
RGB Percent	76%, 0%, 35%
CMY	0.2431, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.53, 0.24
HSL	332°, 100%, 38%
HSV	332°, 100%, 76%
XYZ	23.8378, 12.0756, 10.7473
YIQ	67.9670, 86.1380, 68.9060

Conversions

Conversions Part 2

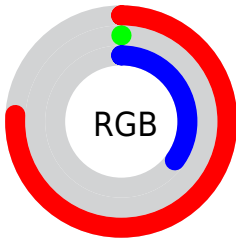
Format	Color
R_YB	193, 0, 90
Decimal	12648538
CIE _{Lab}	41.34, 68.18, 6.43
CIE _{LCh}	41, 68.480, 5.384
Yxy	12.0756, 0.5109, 0.2588
Android (android.graphics.Color)	4290838618 (0xFFC1005A)
YUV	67.9670, 10.8623, 109.6539
Hunter-Lab	34.7500, 61.6351, 5.9881

Details

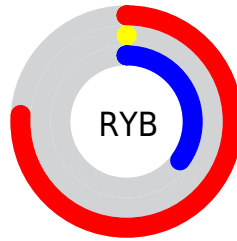
The XYZ color **23.8378, 12.0756, 10.7473** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.5201, 39.1200, 19.2570**, and the grayscale version is **5.4654, 5.7500, 6.2617**.

A 20% lighter version of the original color is **49.2221, 29.6504, 27.9398**, and **9.9894, 5.0950, 2.9396** is the 20% darker color. If you saturate the color by 10%, you get **23.8370, 12.0753, 10.7435**, and if you desaturate by 10%, it is **24.5457, 12.7405, 13.2988**.

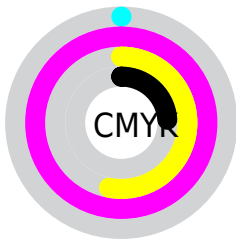
Distribution



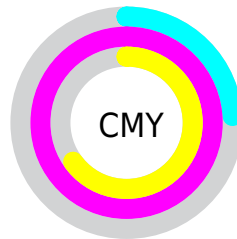
- Red (76%)
- Green (0%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (24%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8378, 12.0756, 10.7473 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 23.8378, 12.0756, 10.7473 by changing the saturation by 10% instead.


 23.8378, 12.0756,
10.7473


 23.8378, 12.0756,
10.7473


264.4551,
204.9051, 206.6004


 15.3374, 6.7952,
5.7852


 49.2220, 29.6327,
27.8214


 9.1444, 3.3343,
2.6482


 66.8365, 42.6782,
40.7704


 4.8934, 1.3087,
0.9172

 88.2198, 59.0809,
57.2188

 2.2189, 0.1479,
0.0000

 113.7372, 79.2251,
77.5852

 0.7527, 0.0000,
0.0000

 143.7541,
103.4952, 102.2879

 0.0000, 0.0000,
0.0000

 178.6358,

132.2756, 131.7457

218.7477,
165.9508, 166.3770

■ 23.8378, 12.0756,
10.7473

■ 23.8378, 12.0756,
10.7473

■ 23.8370, 12.0753,
10.7435

■ 24.5457, 12.7405,
13.2988

■ 25.5532, 13.9034,
16.2616

■ 26.9473, 15.7349,
19.6756

■ 28.7732, 18.3221,
23.5664

■ 31.0695, 21.7389,
27.9567

■ 33.8703, 26.0504,
32.8675

■ 37.2063, 31.3149,
38.3181

■ 41.1055, 37.5860,
44.3267

■ 45.5943, 44.9132,
50.9106

Harmonies

Analogous

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



22.5199, 12.0756, 28.1297



23.8378, 12.0756, 10.7473



21.1457, 12.0756, 2.8240

Triad

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



23.8378, 12.0756, 10.7473



6.7918, 12.0756, 1.0840



7.9444, 12.0756, 56.9185

Complementary

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



23.8378, 12.0756, 10.7473



21.5201, 39.1200, 19.2570

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.



5.3238, 12.0756, 36.1664



23.8378, 12.0756, 10.7473



4.8052, 12.0756, 4.7349

Square

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



23.8378, 12.0756, 10.7473



10.6053, 12.0756, 0.2161



4.3581, 12.0756, 15.8826



12.3963, 12.0756, 63.4275

Rectangle

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



23.8378, 12.0756, 10.7473



17.7953, 12.0756, 1.0446



4.3581, 12.0756, 15.8826



6.8659, 12.0756, 50.8926

Sweetspot

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



23.8381, 12.0763, 10.7475



66.3232, 55.5856, 68.1302



15.2136, 6.7315, 50.9495



13.6625, 11.0273, 13.7049



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.



23.8381, 12.0763, 10.7475



42.5708, 21.5784, 18.6008



22.0626, 11.4778, 1.0535



10.2642, 10.1543, 11.4819



15.8941, 8.0474, 7.3544



0.7215, 0.3616, 0.5009

Inverse Universe

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



23.8381, 12.0763, 10.7475



42.5708, 21.5784, 18.6008



27.3048, 39.2079, 56.5808



10.2642, 10.1543, 11.4819



15.8941, 8.0474, 7.3544



0.7215, 0.3616, 0.5009

Previews

White Background



This preview shows how the XYZ color 23.8378, 12.0756, 10.7473 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 23.8378, 12.0756, 10.7473 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 23.8378, 12.0756, 10.7473

Background



This preview shows how black text looks on a background with the XYZ color 23.8378, 12.0756, 10.7473.



This preview shows how white text looks on a background with the XYZ color 23.8378, 12.0756,

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

23.8378, 12.0756, 10.7473

Protanopia

12.9047, 12.8107, 22.9117

Deuteranopia

12.9083, 12.6879, 9.7513



Tritanopia

22.4201, 12.4595, 2.8134

Trichromacy



Original Color

23.8378, 12.0756, 10.7473

Protanomaly

13.9253, 9.4599, 17.3117

Deuteranomaly

14.8100, 9.9227, 9.7290

Tritanomaly

22.7342, 12.0951, 4.7508

Monochromacy



Original Color

23.8378, 12.0756, 10.7473

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 23.8378, 12.0756, 10.7473 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.8378, 12.0756, 10.7473 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, 90) }
```


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

```
.border{ border-color:rgb(193, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8378, 12.0756, 10.7473 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, 90) }
```

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

```
.background{ background-color: rgb(193, 0,  
90) }
```

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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