

Converting Colors

XYZ(23.9420, 12.5140, 10.7707)

Have a look what the booklet for
XYZ(23.9420, 12.5140, 10.7707)
contains.

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Color

**XYZ(23.8338, 12.4450,
10.8188)**

Conversions

Conversions Part 1

Format	Color
Hex	C0145A
RGB	192, 20, 90
RGB Percent	75%, 8%, 35%
CMY	0.2471, 0.9215, 0.6471
CMYK	0.00, 0.90, 0.53, 0.25
HSL	336°, 81%, 42%
HSV	336°, 90%, 75%
XYZ	23.8338, 12.4450, 10.8188
YIQ	79.4080, 80.0420, 58.2340

Conversions

Conversions Part 2

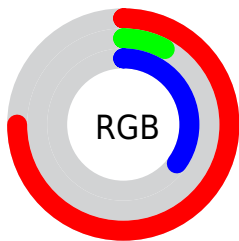
Format	Color
R_{YB}	192, 20, 90
Decimal	12588122
CIE Lab	41.91, 65.67, 7.22
CIE LCh	42, 66.061, 6.274
Yxy	12.4450, 0.5061, 0.2642
Android (android.graphics.Color)	4290778202 (0xFFC0145A)
YUV	79.4080, 5.2219, 98.7432
Hunter-Lab	35.2775, 58.8607, 6.5113

Details

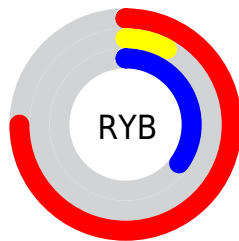
The XYZ color **23.8338, 12.4450, 10.8188** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.6528, 39.2537, 24.8028**, and the grayscale version is **7.4921, 7.8823, 8.5838**.

A 20% lighter version of the original color is **49.2628, 30.2766, 28.0585**, and **9.9894, 5.0950, 2.9396** is the 20% darker color. If you saturate the color by 10%, you get **23.1442, 11.7832, 8.3780**, and if you desaturate by 10%, it is **24.8390, 13.6194, 13.7314**.

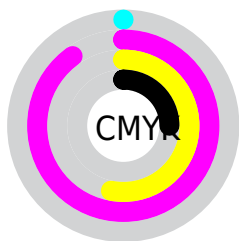
Distribution



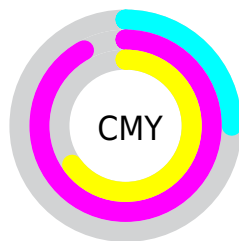
- Red (75%)
- Green (8%)
- Blue (35%)



- Red (75%)
- Yellow (8%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (53%)
- Black (25%)





- Cyan (25%)
- Magenta (92%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8338, 12.4450, 10.8188 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 23.8338, 12.4450, 10.8188 by changing the saturation by 10% instead.


 23.8338, 12.4450,
10.8188


 23.8338, 12.4450,
10.8188


264.4352,
207.3295, 207.1128


 15.3344, 7.0475,
5.8325


 49.2155, 30.3030,
27.9561

 9.1423, 3.4918,
2.6764


 66.8286, 43.5324,
40.9442


 4.8920, 1.3936,
0.9315

 88.2102, 60.1411,
57.4366

 2.2181, 0.2120,
0.0000

 113.7259, 80.5136,
77.8519

 0.7523, 0.0000,
0.0000

 143.7408,
105.0343, 102.6087

 0.0000, 0.0000,
0.0000

 178.6205,

134.0876, 132.1254

218.7302,
168.0578, 166.8205

■ 23.8338, 12.4450,
10.8188

■ 23.8338, 12.4450,
10.8188

■ 23.1442, 11.7832,
8.3780

■ 24.8390, 13.6194,
13.7314

■ 23.1176, 11.7582,
8.2821

■ 26.2406, 15.4626,
17.1581

■ 28.0842, 18.0613,
21.1288

■ 30.4086, 21.4881,
25.6703

■ 33.2478, 25.8073,
30.8072

■ 36.6329, 31.0767,
36.5625

■ 40.5923, 37.3492,
42.9578

■ 45.1524, 44.6737,
50.0134

■ 50.3377, 53.0959,
57.7488

Harmonies

Analogous

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



22.6766, 12.4450, 27.5080



23.8338, 12.4450, 10.8188



21.1294, 12.4450, 3.0542

Triad

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



23.8338, 12.4450, 10.8188



7.0971, 12.4450, 1.3768



8.4382, 12.4450, 56.0945

Complementary

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



23.8338, 12.4450, 10.8188



22.6528, 39.2537, 24.8028

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.



5.7582, 12.4450, 36.5034



23.8338, 12.4450, 10.8188



5.1462, 12.4450, 5.3542

Square

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



23.8338, 12.4450, 10.8188



10.8318, 12.4450, 0.4615



4.7342, 12.4450, 16.7072



12.8848, 12.4450, 61.7178

Rectangle

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



23.8338, 12.4450, 10.8188



17.8462, 12.4450, 1.2328



4.7342, 12.4450, 16.7072



7.3432, 12.4450, 50.4838

Sweetspot

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



23.8341, 12.4457, 10.8190



67.8221, 58.5838, 68.6286



17.5583, 8.3246, 50.5502



14.0565, 11.7921, 13.9077



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.



23.8341, 12.4457, 10.8190



41.7711, 21.2586, 14.3899



22.4468, 12.4215, 1.8775



10.2393, 10.1443, 11.3505



15.5923, 7.9267, 5.7653



0.7078, 0.3561, 0.4289

Inverse Universe

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



23.8341, 12.4457, 10.8190



41.7711, 21.2586, 14.3899



25.6578, 35.6636, 55.4002



10.2393, 10.1443, 11.3505



15.5923, 7.9267, 5.7653



0.7078, 0.3561, 0.4289

Previews

White Background



This preview shows how the XYZ color 23.8338, 12.4450, 10.8188 looks on a white background.

Color Contrast Check

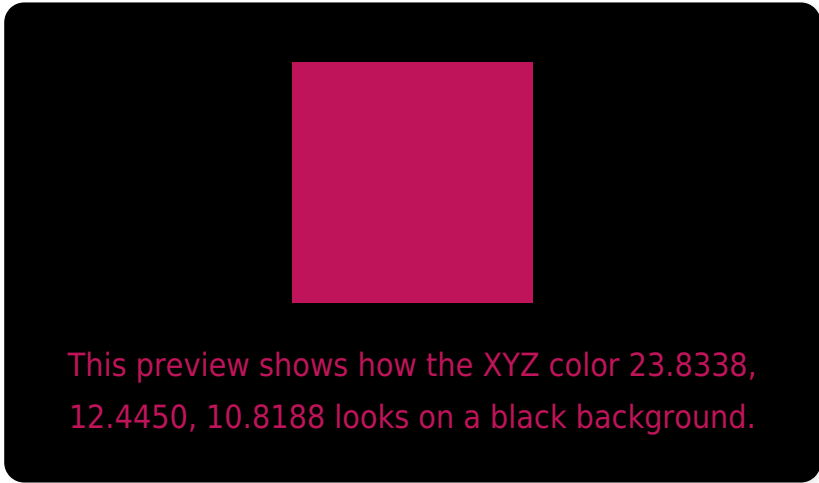
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8338, 12.4450, 10.8188

Background



This preview shows how black text looks on a background with the XYZ color 23.8338, 12.4450, 10.8188.



This preview shows how white text looks on a background with the XYZ color 23.8338, 12.4450,

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

23.8338, 12.4450, 10.8188

Protanopia

12.8723, 12.8093, 22.2161

Deuteranopia

12.9083, 12.6879, 9.7513



Tritanopia

22.3437, 12.5514, 3.2525

Trichromacy



Original Color

23.8338, 12.4450, 10.8188

Protanomaly

14.2807, 10.2623, 17.1477

Deuteranomaly

15.2084, 10.7194, 9.8618

Tritanomaly

22.7661, 12.4149, 5.1994

Monochromacy



Original Color

23.8338, 12.4450, 10.8188

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.8201, 7.6437, 9.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8338, 12.4450, 10.8188 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(192, 20, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 20, 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(192, 20, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 20, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.8338, 12.4450, 10.8188 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(192, 20, 90) }
```


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

```
.border{ border-color:rgb(192, 20, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 20, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 20, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 20, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 20,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8338, 12.4450, 10.8188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 20, 90) }
```

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

```
.background{ background-color: rgb(192, 20,  
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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