

Converting Colors

XYZ(23.4718, 12.2990, 8.9204)

Have a look what the booklet for
XYZ(23.4718, 12.2990, 8.9204)
contains.

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Color

**XYZ(23.4736, 12.3009,
8.9217)**

Conversions

Conversions Part 1

Format	Color
Hex	C01451
RGB	192, 20, 81
RGB Percent	75%, 8%, 32%
CMY	0.2471, 0.9215, 0.6824
CMYK	0.00, 0.90, 0.58, 0.25
HSL	339°, 81%, 42%
HSV	339°, 90%, 75%
XYZ	23.4736, 12.3009, 8.9217
YIQ	78.3820, 82.9310, 55.4350

Conversions

Conversions Part 2

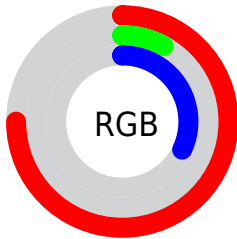
Format	Color
R_{YB}	192, 20, 81
Decimal	12588113
CIE _{Lab}	41.69, 65.04, 12.60
CIE _{LCh}	42, 66.245, 10.963
Yxy	12.3009, 0.5252, 0.2752
Android (android.graphics.Color)	4290778193 (0xFFC01451)
YUV	78.3820, 1.2907, 99.6430
Hunter-Lab	35.0726, 58.0903, 9.4688

Details

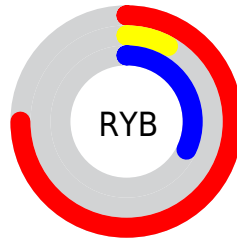
The XYZ color **23.4736, 12.3009, 8.9217** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.2368, 39.4874, 27.8780**, and the grayscale version is **7.3027, 7.6830, 8.3668**.

A 20% lighter version of the original color is **48.5585, 29.9949, 24.3494**, and **9.6940, 4.9589, 2.1965** is the 20% darker color. If you saturate the color by 10%, you get **22.8091, 11.6491, 6.6130**, and if you desaturate by 10%, it is **24.4642, 13.4695, 11.7578**.

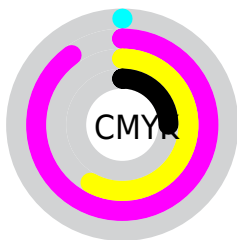
Distribution



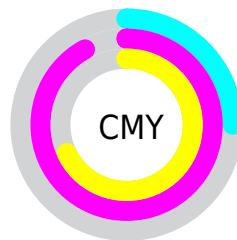
- Red (75%)
- Green (8%)
- Blue (32%)



- Red (75%)
- Yellow (8%)
- Blue (32%)



- Cyan (0%)
- Magenta (90%)
- Yellow (58%)
- Black (25%)





- Cyan (25%)
- Magenta (92%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4736, 12.3009, 8.9217 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 23.4736, 12.3009, 8.9217 by changing the saturation by 10% instead.

 23.4736, 12.3009,
8.9217


 23.4736, 12.3009,
8.9217


262.6384,
206.3873, 192.9892


 15.0662, 6.9489,
4.5940


 48.6308, 30.0420,
24.3218


 8.9525, 3.4302,
1.9566


 66.1113, 43.1999,
36.2314

 4.7671, 1.3602,
0.5284

 87.3468, 59.7285,
51.5053

 2.1446, 0.1871,
0.0000

 112.7029, 80.0124,
70.5621

 0.7133, 0.0000,
0.0000

 142.5447,
104.4358, 93.8203

 0.0000, 0.0000,
0.0000

 177.2376,

133.3831, 121.6986

217.1471,
167.2388, 154.6154

■ 23.4736, 12.3009,
8.9217

■ 23.4736, 12.3009,
8.9217

■ 22.8091, 11.6491,
6.6130

■ 24.4642, 13.4695,
11.7578

■ 22.7838, 11.6247,
6.5240

■ 25.8630, 15.3115,
15.1694

■ 27.7164, 17.9141,
19.1918

■ 30.0641, 21.3503,
23.8566

■ 32.9412, 25.6846,
29.1929

■ 36.3795, 30.9752,
35.2280

■ 40.4080, 37.2753,
41.9872

■ 45.0539, 44.6341,
49.4949

■ 50.3424, 53.0976,
57.7738

Harmonies

Analogous

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



22.9358, 12.3009, 24.1558



23.4736, 12.3009, 8.9217



20.2623, 12.3009, 2.3950

Triad

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



23.4736, 12.3009, 8.9217



6.5735, 12.3009, 1.6450



8.9010, 12.3009, 57.9598

Complementary

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



23.4736, 12.3009, 8.9217



23.2368, 39.4874, 27.8780

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.



5.9599, 12.3009, 39.7118



23.4736, 12.3009, 8.9217



4.8963, 12.3009, 6.4238

Square

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



23.4736, 12.3009, 8.9217



10.0031, 12.3009, 0.4785



4.7082, 12.3009, 19.1547



13.5602, 12.3009, 60.5882

Rectangle

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



23.4736, 12.3009, 8.9217



16.8387, 12.3009, 0.9761



4.7082, 12.3009, 19.1547



7.7175, 12.3009, 53.0591

Sweetspot

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



23.4739, 12.3016, 8.9219



67.3873, 58.4099, 66.3386



18.8094, 8.9695, 50.6088



13.9549, 11.7514, 13.3730



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.



23.4739, 12.3016, 8.9219



41.1752, 21.0202, 11.2518



22.7268, 12.9814, 1.9707



10.2174, 10.1356, 11.2354



15.3650, 7.8358, 4.5684



0.6969, 0.3518, 0.3711

Inverse Universe

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



23.4739, 12.3016, 8.9219



41.1752, 21.0202, 11.2518



24.0042, 32.3565, 54.8492



10.2174, 10.1356, 11.2354



15.3650, 7.8358, 4.5684



0.6969, 0.3518, 0.3711

Previews

White Background



This preview shows how the XYZ color 23.4736, 12.3009, 8.9217 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 23.4736, 12.3009, 8.9217 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 23.4736, 12.3009, 8.9217

Background



This preview shows how black text looks on a background with the XYZ color 23.4736, 12.3009, 8.9217.



This preview shows how white text looks on a background with the XYZ color 23.4736, 12.3009,

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

23.4736, 12.3009, 8.9217

Protanopia

12.5440, 12.7260, 18.3182

Deuteranopia

12.8567, 12.6983, 8.0767



Tritanopia

22.1845, 12.3363, 2.8810

Trichromacy



Original Color

23.4736, 12.3009, 8.9217

Protanomaly

14.1541, 10.2651, 14.0673

Deuteranomaly

15.0487, 10.6758, 8.1050

Tritanomaly

22.5700, 12.2528, 4.4243

Monochromacy



Original Color

23.4736, 12.3009, 8.9217

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

10.4822, 7.4127, 8.2755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4736, 12.3009, 8.9217 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(192, 20, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 20, 81) }
```

Border

The CSS property to change the border of an element to XYZ 23.4736, 12.3009, 8.9217 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, 81) }
```


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

```
.border{ border-color:rgb(192, 20, 81) }
```

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, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 20, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 20, 81);  
box-shadow:4px 4px 4px 4px rgb(192, 20,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4736, 12.3009, 8.9217 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, 81) }
```

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

```
.background{ background-color: rgb(192, 20,  
81) }
```

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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