

Converting Colors

XYZ(23.4379, 12.2653, 8.7997)

Have a look what the booklet for
XYZ(23.4379, 12.2653, 8.7997)
contains.

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Color

**XYZ(23.4191, 12.2514,
8.7199)**

Conversions

Conversions Part 1

Format	Color
Hex	C01350
RGB	192, 19, 80
RGB Percent	75%, 7%, 31%
CMY	0.2471, 0.9254, 0.6863
CMYK	0.00, 0.90, 0.58, 0.25
HSL	339°, 82%, 41%
HSV	339°, 90%, 75%
XYZ	23.4191, 12.2514, 8.7199
YIQ	77.6810, 83.5270, 55.6470

Conversions

Conversions Part 2

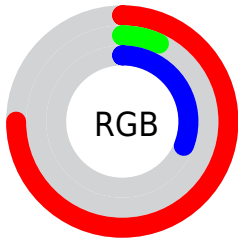
Format	Color
R_{YB}	192, 19, 80
Decimal	12587856
CIE _{Lab}	41.61, 65.13, 13.12
CIE _{LCh}	42, 66.437, 11.394
Yxy	12.2514, 0.5276, 0.2760
Android (android.graphics.Color)	4290777936 (0xFFC01350)
YUV	77.6810, 1.1433, 100.2578
Hunter-Lab	35.0020, 58.1771, 9.7307

Details

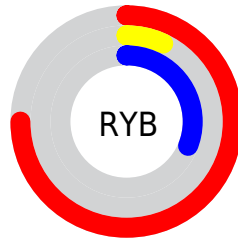
The XYZ color **23.4191, 12.2514, 8.7199** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.2168, 39.4771, 27.8767**, and the grayscale version is **7.1705, 7.5439, 8.2153**.

A 20% lighter version of the original color is **48.4917, 29.9681, 23.9975**, and **9.6785, 4.9527, 2.1149** is the 20% darker color. If you saturate the color by 10%, you get **22.7719, 11.6199, 6.4610**, and if you desaturate by 10%, it is **24.3891, 13.3872, 11.5231**.

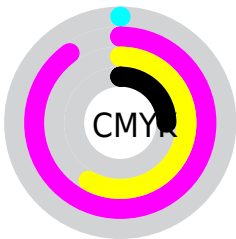
Distribution



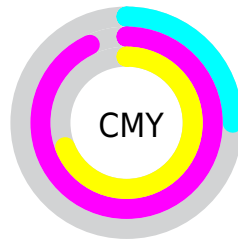
- Red (75%)
- Green (7%)
- Blue (31%)



- Red (75%)
- Yellow (7%)
- Blue (31%)



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





- Cyan (25%)
- Magenta (93%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4191, 12.2514, 8.7199 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 23.4191, 12.2514, 8.7199 by changing the saturation by 10% instead.


 23.4191, 12.2514,
8.7199


 23.4191, 12.2514,
8.7199


262.3657,
206.0626, 191.4149


 15.0257, 6.9151,
4.4646


 48.5422, 29.9522,
23.9272

 8.9238, 3.4091,
1.8835


 66.0026, 43.0854,
35.7162

 4.7482, 1.3488,
0.4822

 87.2159, 59.5865,
50.8537

 2.1335, 0.1786,
0.0000

 112.5477, 79.8398,
69.7580

 0.7074, 0.0000,
0.0000

 142.3632,
104.2296, 92.8477

 0.0000, 0.0000,
0.0000

 177.0278,

133.1404, 120.5414

216.9068,
166.9566, 153.2576

■ 23.4191, 12.2514,
8.7199

■ 23.4191, 12.2514,
8.7199

■ 22.7719, 11.6199,
6.4610

■ 24.3891, 13.3872,
11.5231

■ 25.7651, 15.1918,
14.9022

■ 27.5940, 17.7528,
18.8931

■ 29.9158, 21.1442,
23.5276

■ 32.7659, 25.4308,
28.8353

■ 36.1761, 30.6710,
34.8436

■ 40.1757, 36.9183,
41.5782

■ 44.7921, 44.2221,
49.0635

■ 50.0505, 52.6285,
57.3227

Harmonies

Analogous

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



22.9376, 12.2514, 23.8317



23.4191, 12.2514, 8.7199



20.1570, 12.2514, 2.3145

Triad

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



23.4191, 12.2514, 8.7199



6.4935, 12.2514, 1.6501



8.9100, 12.2514, 58.1836

Complementary

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



23.4191, 12.2514, 8.7199



23.2168, 39.4771, 27.8767

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.



5.9464, 12.2514, 40.0192



23.4191, 12.2514, 8.7199



4.8431, 12.2514, 6.4925

Square

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



23.4191, 12.2514, 8.7199



9.8941, 12.2514, 0.4628



4.6756, 12.2514, 19.3568



13.5902, 12.2514, 60.5411

Rectangle

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



23.4191, 12.2514, 8.7199



16.7169, 12.2514, 0.9382



4.6756, 12.2514, 19.3568



7.7186, 12.2514, 53.3372

Sweetspot

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



23.4194, 12.2521, 8.7201



67.3705, 58.4032, 66.2501



18.7365, 8.9062, 50.6006



13.9510, 11.7499, 13.3524



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.



23.4194, 12.2521, 8.7201



41.1539, 21.0117, 11.1397



22.6869, 12.9156, 1.9143



10.2166, 10.1352, 11.2310



15.3569, 7.8325, 4.5254



0.6965, 0.3516, 0.3690

Inverse Universe

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



23.4194, 12.2521, 8.7201



41.1539, 21.0117, 11.1397



23.9595, 32.2966, 54.8401



10.2166, 10.1352, 11.2310



15.3569, 7.8325, 4.5254



0.6965, 0.3516, 0.3690

Previews

White Background



This preview shows how the XYZ color 23.4191, 12.2514, 8.7199 looks on a white background.

Color Contrast Check

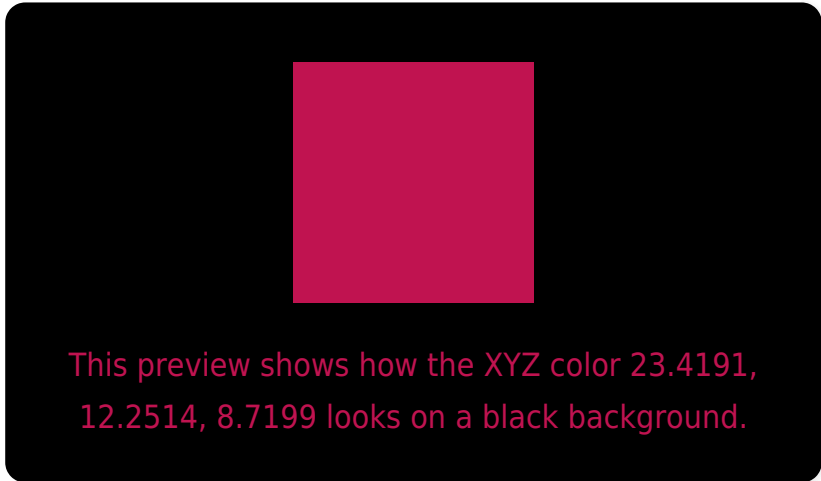
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4191, 12.2514, 8.7199

Background



This preview shows how black text looks on a background with the XYZ color 23.4191, 12.2514, 8.7199.



This preview shows how white text looks on a background with the XYZ color 23.4191, 12.2514,

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

23.4191, 12.2514, 8.7199

Protanopia

12.4861, 12.7029, 18.0135

Deuteranopia

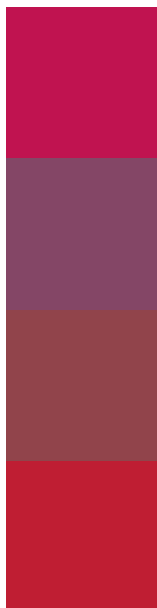
12.8238, 12.6852, 7.9035



Tritanopia

22.1695, 12.3303, 2.8016

Trichromacy



Original Color

23.4191, 12.2514, 8.7199

Protanomaly

14.1042, 10.2452, 13.8045

Deuteranomaly

15.0142, 10.6620, 7.9232

Tritanomaly

22.5477, 12.2439, 4.3069

Monochromacy



Original Color

23.4191, 12.2514, 8.7199

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 23.4191, 12.2514, 8.7199 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, 19, 80)` looks like.

```
.text, #text, p{  
    color:rgb(192, 19, 80)  
}
```

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, 19, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 19, 80) }
```

Border

The CSS property to change the border of an element to XYZ 23.4191, 12.2514, 8.7199 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, 19, 80) }
```


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

```
.border{ border-color:rgb(192, 19, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 19, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 19, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 19, 80);  
box-shadow:4px 4px 4px 4px rgb(192, 19,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4191, 12.2514, 8.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 19, 80) }
```

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

```
.background{ background-color: rgb(192, 19,  
80) }
```

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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