

Converting Colors

XYZ(23.2402, 12.2683, 8.7325)

Have a look what the booklet for
XYZ(23.2402, 12.2683, 8.7325)
contains.

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Color

**XYZ(23.2402, 12.2683,
8.7325)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1750
RGB	191, 23, 80
RGB Percent	75%, 9%, 31%
CMY	0.2510, 0.9097, 0.6863
CMYK	0.00, 0.88, 0.58, 0.25
HSL	340°, 78%, 42%
HSV	340°, 88%, 75%
XYZ	23.2402, 12.2683, 8.7325
YIQ	79.7300, 81.8310, 53.3430

Conversions

Conversions Part 2

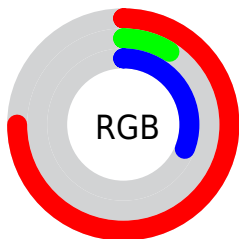
Format	Color
R_{YB}	191, 23, 80
Decimal	12523344
CIE Lab	41.64, 64.21, 13.13
CIE LCh	42, 65.541, 11.555
Yxy	12.2683, 0.5253, 0.2773
Android (android.graphics.Color)	4290713424 (0xFFBF1750)
YUV	79.7300, 0.1331, 97.5838
Hunter-Lab	35.0261, 57.1409, 9.7365

Details

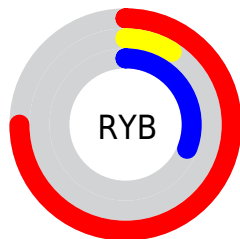
The XYZ color **23.2402, 12.2683, 8.7325** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **23.2888, 39.1656, 28.8932**, and the grayscale version is **7.5629, 7.9568, 8.6649**.

A 20% lighter version of the original color is **48.2115, 29.9498, 24.0087**, and **9.5244, 4.8732, 2.1077** is the 20% darker color. If you saturate the color by 10%, you get **22.5528, 11.5712, 6.4148**, and if you desaturate by 10%, it is **24.2770, 13.5243, 11.5991**.

Distribution



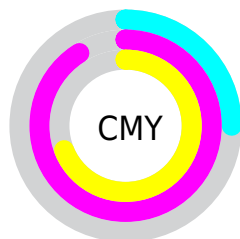
- Red (75%)
- Green (9%)
- Blue (31%)



- Red (75%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (88%)
- Yellow (58%)
- Black (25%)





- Cyan (25%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2402, 12.2683, 8.7325 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 23.2402, 12.2683, 8.7325 by changing the saturation by 10% instead.


 23.2402, 12.2683,
8.7325


 23.2402, 12.2683,
8.7325


261.4687,
206.1735, 191.5136


 14.8926, 6.9267,
4.4727


 48.2512, 29.9828,
23.9519

 8.8299, 3.4163,
1.8881


 65.6453, 43.1245,
35.7485


 4.6866, 1.3527,
0.4851

 86.7857, 59.6350,
50.8945

 2.0974, 0.1815,
0.0000

 112.0377, 79.8987,
69.8084

 0.6878, 0.0000,
0.0000

 141.7666,
104.3000, 92.9087

 0.0000, 0.0000,
0.0000

 176.3379,

133.2233, 120.6140

216.1168,
167.0530, 153.3428

■ 23.2402, 12.2683,
8.7325

■ 23.2402, 12.2683,
8.7325

■ 22.5528, 11.5712,
6.4148

■ 24.2770, 13.5243,
11.5991

■ 22.4338, 11.4555,
5.9979

■ 25.7285, 15.4621,
15.0584

■ 27.6397, 18.1651,
19.1464

■ 30.0492, 21.7042,
23.8954

■ 32.9913, 26.1420,
29.3354

■ 36.4972, 31.5350,
35.4942

■ 40.5954, 37.9352,
42.3981

■ 45.3127, 45.3907,
50.0719

■ 50.6741, 53.9465,
58.5392

Harmonies

Analogous

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



22.7886, 12.2683, 23.5863



23.2402, 12.2683, 8.7325



20.0194, 12.2683, 2.3777

Triad

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



23.2402, 12.2683, 8.7325



6.5478, 12.2683, 1.7355



8.9778, 12.2683, 57.3870

Complementary

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



23.2402, 12.2683, 8.7325



23.2888, 39.1656, 28.8932

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.



6.0284, 12.2683, 39.6784



23.2402, 12.2683, 8.7325



4.9143, 12.2683, 6.6196

Square

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



23.2402, 12.2683, 8.7325



9.9080, 12.2683, 0.5299



4.7548, 12.2683, 19.3825



13.6086, 12.2683, 59.5868

Rectangle

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



23.2402, 12.2683, 8.7325



16.6317, 12.2683, 0.9904



4.7548, 12.2683, 19.3825



7.7942, 12.2683, 52.6781

Sweetspot

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



23.2405, 12.2690, 8.7327



66.4247, 58.1217, 65.3830



19.2587, 9.2973, 50.0695



14.0643, 11.9539, 13.4596



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.



23.2405, 12.2690, 8.7327



40.0778, 20.4764, 10.2079



22.7064, 13.2699, 2.1762



9.6601, 9.5883, 10.5992



14.7774, 7.5421, 4.1215



0.6100, 0.3079, 0.3254

Inverse Universe

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



23.2405, 12.2690, 8.7327



40.0778, 20.4764, 10.2079



23.3580, 31.1446, 54.0704



9.6601, 9.5883, 10.5992



14.7774, 7.5421, 4.1215



0.6100, 0.3079, 0.3254

Previews

White Background



This preview shows how the XYZ color 23.2402, 12.2683, 8.7325 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 23.2402, 12.2683, 8.7325 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 23.2402, 12.2683, 8.7325

Background



This preview shows how black text looks on a background with the XYZ color 23.2402, 12.2683, 8.7325.



This preview shows how white text looks on a background with the XYZ color 23.2402, 12.2683,

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

23.2402, 12.2683, 8.7325

Protanopia

12.4289, 12.6800, 17.7120

Deuteranopia

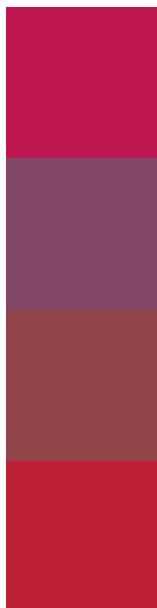
12.7331, 12.5038, 7.8733



Tritanopia

21.9818, 12.2755, 2.9611

Trichromacy



Original Color

23.2402, 12.2683, 8.7325

Protanomaly

14.0116, 10.2911, 13.8183

Deuteranomaly

15.0752, 10.7840, 7.9436

Tritanomaly

22.3943, 12.2372, 4.5499

Monochromacy



Original Color

23.2402, 12.2683, 8.7325

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.7577, 7.7002, 8.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2402, 12.2683, 8.7325 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(191, 23, 80)` looks like.

```
.text, #text, p{  
    color:rgb(191, 23, 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(191, 23, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 23, 80) }
```

Border

The CSS property to change the border of an element to XYZ 23.2402, 12.2683, 8.7325 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(191, 23, 80) }
```


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

```
.border{ border-color:rgb(191, 23, 80) }
```

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

Here you see how a box with a 4 pixel rgb(191, 23, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 23, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 23, 80);  
box-shadow:4px 4px 4px 4px rgb(191, 23,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2402, 12.2683, 8.7325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 23, 80) }
```

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

```
.background{ background-color: rgb(191, 23,  
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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