

Converting Colors

XYZ(23.7482, 12.4124, 9.1268)

Have a look what the booklet for
XYZ(23.7482, 12.4124, 9.1268)
contains.

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Color

**XYZ(23.7482, 12.4124,
9.1268)**

Conversions

Conversions Part 1

Format	Color
Hex	C11352
RGB	193, 19, 82
RGB Percent	76%, 7%, 32%
CMY	0.2431, 0.9254, 0.6784
CMYK	0.00, 0.90, 0.58, 0.24
HSL	338°, 82%, 42%
HSV	338°, 90%, 76%
XYZ	23.7482, 12.4124, 9.1268
YIQ	78.2080, 83.4810, 56.4810

Conversions

Conversions Part 2

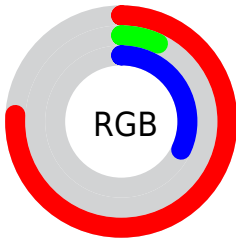
Format	Color
R_{YB}	193, 19, 82
Decimal	12653394
CIE Lab	41.86, 65.51, 12.24
CIE LCh	42, 66.639, 10.582
Yxy	12.4124, 0.5244, 0.2741
Android (android.graphics.Color)	4290843474 (0xFFC11352)
YUV	78.2080, 1.8695, 100.6726
Hunter-Lab	35.2312, 58.6662, 9.3025

Details

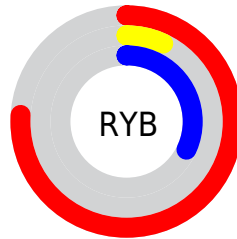
The XYZ color **23.7482, 12.4124, 9.1268** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.3697, 39.8908, 27.5951**, and the grayscale version is **7.2686, 7.6471, 8.3277**.

A 20% lighter version of the original color is **48.9929, 30.2110, 24.7218**, and **9.8656, 5.0455, 2.2876** is the 20% darker color. If you saturate the color by 10%, you get **23.0934, 11.7779, 6.8279**, and if you desaturate by 10%, it is **24.7302, 13.5582, 11.9772**.

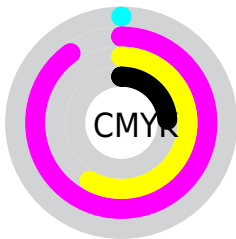
Distribution



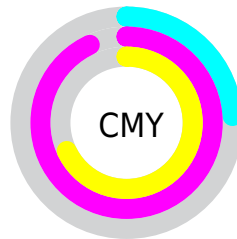
- Red (76%)
- Green (7%)
- Blue (32%)



- Red (76%)
- Yellow (7%)
- Blue (32%)



- Cyan (0%)
- Magenta (90%)
- Yellow (58%)
- Black (24%)





- Cyan (24%)
- Magenta (93%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7482, 12.4124, 9.1268 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 23.7482, 12.4124, 9.1268 by changing the saturation by 10% instead.


 23.7482, 12.4124,
9.1268


 23.7482, 12.4124,
9.1268


264.0091,
207.1167, 194.5738


 15.2707, 7.0252,
4.7260


 49.0767, 30.2440,
24.7212


 9.0971, 3.4779,
2.0315


 66.6583, 43.4572,
36.7519


 4.8622, 1.3860,
0.5746

 88.0053, 60.0479,
52.1631

 2.2006, 0.2064,
0.0000

 113.4831, 80.4004,
71.3732

 0.7430, 0.0000,
0.0000

 143.4571,
104.8991, 94.8007

 0.0000, 0.0000,
0.0000

 178.2925,

133.9285, 122.8643

218.3547,
167.8729, 155.9825

■ 23.7482, 12.4124,
9.1268

■ 23.7482, 12.4124,
9.1268

■ 23.0934, 11.7779,
6.8279

■ 24.7302, 13.5582,
11.9772

■ 26.1207, 15.3794,
15.3992

■ 27.9670, 17.9649,
19.4278

■ 30.3095, 21.3896,
24.0945

■ 33.1839, 25.7190,
29.4283

■ 36.6223, 31.0123,
35.4560

■ 40.6543, 37.3237,
42.2030

■ 45.3073, 44.7032,
49.6933

■ 50.6069, 53.1974,
57.9496

Harmonies

Analogous

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



23.1521, 12.4124, 24.6663



23.7482, 12.4124, 9.1268



20.5354, 12.4124, 2.4437

Triad

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



23.7482, 12.4124, 9.1268



6.6533, 12.4124, 1.6165



8.9247, 12.4124, 58.5255

Complementary

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



23.7482, 12.4124, 9.1268



23.3697, 39.8908, 27.5951

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.



5.9745, 12.4124, 39.8970



23.7482, 12.4124, 9.1268



4.9377, 12.4124, 6.3626

Square

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



23.7482, 12.4124, 9.1268



10.1449, 12.4124, 0.4666



4.7297, 12.4124, 19.1232



13.6207, 12.4124, 61.4419

Rectangle

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



23.7482, 12.4124, 9.1268



17.0786, 12.4124, 0.9883



4.7297, 12.4124, 19.1232



7.7357, 12.4124, 53.4924

Sweetspot

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



23.7485, 12.4131, 9.1270



67.4484, 58.4343, 66.6602



18.9438, 9.0002, 51.1907



13.9692, 11.7571, 13.4480



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.



23.7485, 12.4131, 9.1270



41.2536, 21.0516, 11.6649



22.9458, 13.0561, 1.9278



10.2205, 10.1368, 11.2517



15.3951, 7.8478, 4.7268



0.6984, 0.3524, 0.3790

Inverse Universe

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



23.7485, 12.4131, 9.1270



41.2536, 21.0516, 11.6649



24.2324, 32.6645, 55.4796



10.2205, 10.1368, 11.2517



15.3951, 7.8478, 4.7268



0.6984, 0.3524, 0.3790

Previews

White Background



This preview shows how the XYZ color 23.7482, 12.4124, 9.1268 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

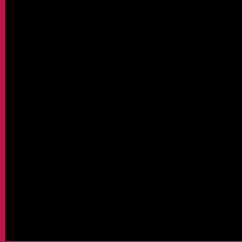
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7482, 12.4124, 9.1268

Background



This preview shows how black text looks on a background with the XYZ color 23.7482, 12.4124, 9.1268.



This preview shows how white text looks on a background with the XYZ color 23.7482, 12.4124,

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

23.7482, 12.4124, 9.1268

Protanopia

12.6616, 12.7731, 18.9377

Deuteranopia

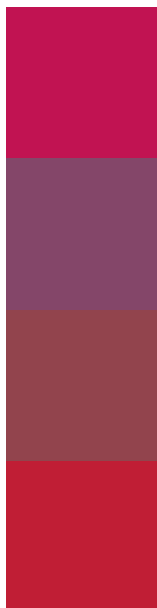
13.0267, 12.7821, 8.2592



Tritanopia

22.4352, 12.4655, 2.8927

Trichromacy



Original Color

23.7482, 12.4124, 9.1268

Protanomaly

14.2557, 10.3058, 14.6025

Deuteranomaly

15.2607, 10.7811, 8.2978

Tritanomaly

22.8451, 12.3921, 4.5560

Monochromacy



Original Color

23.7482, 12.4124, 9.1268

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

10.6201, 7.4838, 8.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7482, 12.4124, 9.1268 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, 19, 82)` looks like.

```
.text, #text, p{  
    color:rgb(193, 19, 82)  
}
```

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, 19, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 19, 82) }
```

Border

The CSS property to change the border of an element to XYZ 23.7482, 12.4124, 9.1268 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, 19, 82) }
```


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

```
.border{ border-color:rgb(193, 19, 82) }
```

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

Here you see how a box with a 4 pixel rgb(193, 19, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 19, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 19, 82);  
box-shadow:4px 4px 4px 4px rgb(193, 19,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7482, 12.4124, 9.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 19, 82) }
```

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

```
.background{ background-color: rgb(193, 19,  
82) }
```

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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