

Converting Colors

XYZ(24.3231, 13.2671, 8.1722)

Have a look what the booklet for
XYZ(24.3231, 13.2671, 8.1722)
contains.

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Color

**XYZ(24.4112, 13.3260,
8.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	C3234C
RGB	195, 35, 76
RGB Percent	76%, 14%, 30%
CMY	0.2353, 0.8627, 0.7020
CMYK	0.00, 0.82, 0.61, 0.24
HSL	345°, 70%, 45%
HSV	345°, 82%, 76%
XYZ	24.4112, 13.3260, 8.1230
YIQ	87.5140, 82.1990, 46.6710

Conversions

Conversions Part 2

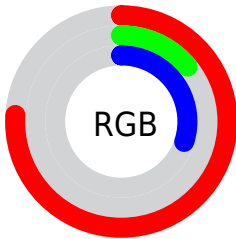
Format	Color
RYB	195, 35, 76
Decimal	12788556
CIELab	43.25, 62.43, 17.96
CIELCh	43, 64.967, 16.050
Yxy	13.3260, 0.5323, 0.2906
Android (android.graphics.Color)	4290978636 (0xFFC3234C)
YUV	87.5140, -5.6764, 94.2652
Hunter-Lab	36.5048, 55.4817, 12.3602

Details

The XYZ color **24.4112, 13.3260, 8.1230** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **26.0426, 41.7211, 37.2587**, and the grayscale version is **9.1711, 9.6487, 10.5074**.

A 20% lighter version of the original color is **49.3094, 31.4760, 22.8786**, and **10.1060, 5.1781, 1.9057** is the 20% darker color. If you saturate the color by 10%, you get **23.5394, 12.3007, 5.6188**, and if you desaturate by 10%, it is **25.7158, 15.0354, 11.3326**.

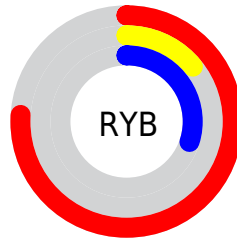
Distribution



Red (76%)

Green (14%)

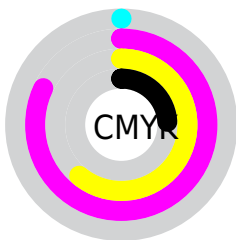
Blue (30%)



Red (76%)

Yellow (14%)

Blue (30%)

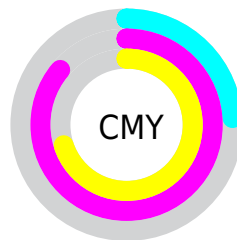


Cyan (0%)

Magenta (82%)

Yellow (61%)

Black (24%)



Cyan (24%)


Magenta (86%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4112, 13.3260, 8.1230 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 24.4112, 13.3260, 8.1230 by changing the saturation by 10% instead.


 24.4112, 13.3260,
8.1230


 24.4112, 13.3260,
8.1230


267.2949,
212.9965, 186.6641


 15.7653, 7.6534,
4.0849


 50.1502, 31.8882,
22.7494


 9.4480, 3.8740,
1.6720


 67.9740, 45.5467,
34.1747

 5.0940, 1.6033,
0.3414

 89.5879, 62.6358,
48.8994

 2.3378, 0.3598,
0.0000

 115.3571, 83.5401,
67.3422

 0.8139, 0.0000,
0.0000

 145.6471,
108.6439, 89.9215

 0.0000, 0.0000,
0.0000

 180.8231,

138.3317, 117.0559

221.2506,
172.9878, 149.1639

■ 24.4112, 13.3260,
8.1230

■ 24.4112, 13.3260,
8.1230

■ 23.5394, 12.3007,
5.6188

■ 25.7158, 15.0354,
11.3326

■ 23.0803, 11.8319,
4.0798

■ 27.5056, 17.5217,
15.2994

■ 29.8260, 20.8658,
20.0704

■ 32.7167, 25.1374,
25.6884

■ 36.2136, 30.3993,
32.1932

■ 40.3495, 36.7087,
39.6218

■ 45.1548, 44.1183,
48.0089

■ 50.6580, 52.6775,
57.3877

■ 56.8858, 62.4324,
67.7896

Harmonies

Analogous

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



24.5535, 13.3260, 22.2589



24.4112, 13.3260, 8.1230



20.6286, 13.3260, 2.3121

Triad

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



24.4112, 13.3260, 8.1230



6.9036, 13.3260, 2.5294



10.4757, 13.3260, 61.3694

Complementary

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



24.4112, 13.3260, 8.1230



26.0426, 41.7211, 37.2587

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.



7.0721, 13.3260, 44.9575



24.4112, 13.3260, 8.1230



5.4104, 13.3260, 8.8070

Square

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



24.4112, 13.3260, 8.1230



10.1771, 13.3260, 0.8484



5.4626, 13.3260, 23.5879



15.5307, 13.3260, 60.6853

Rectangle

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



24.4112, 13.3260, 8.1230



17.0089, 13.3260, 1.0658



5.4626, 13.3260, 23.5879



9.1334, 13.3260, 57.3617

Sweetspot

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



24.4115, 13.3268, 8.1232



69.6589, 61.7524, 66.3261



23.4638, 11.8510, 52.6802



14.6747, 12.6387, 13.4827



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4115, 13.3268, 8.1232



41.4194, 21.3118, 7.4682



25.1489, 16.4029, 3.4319



10.1767, 10.1193, 11.0212



15.0305, 7.7019, 2.8065



0.6785, 0.3444, 0.2746

Inverse Universe

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



24.4115, 13.3268, 8.1232



41.4194, 21.3118, 7.4682



22.7145, 28.6389, 55.9601



10.1767, 10.1193, 11.0212



15.0305, 7.7019, 2.8065



0.6785, 0.3444, 0.2746

Previews

White Background



This preview shows how the XYZ color 24.4112, 13.3260, 8.1230 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

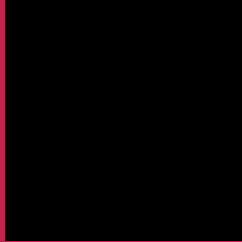
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4112, 13.3260, 8.1230

Background



This preview shows how black text looks on a background with the XYZ color 24.4112, 13.3260, 8.1230.



This preview shows how white text looks on a background with the XYZ color 24.4112, 13.3260,

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

24.4112, 13.3260, 8.1230

Protanopia

13.1607, 13.6842, 15.5833

Deuteranopia

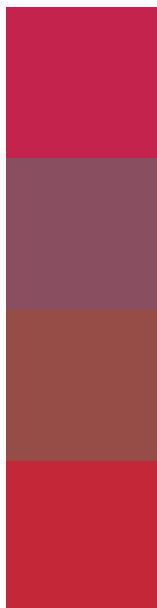
13.8174, 13.6261, 7.3707



Tritanopia

23.5666, 13.3789, 3.7232

Trichromacy



Original Color

24.4112, 13.3260, 8.1230

Protanomaly

15.1065, 11.5934, 12.2680

Deuteranomaly

16.2994, 12.1078, 7.4392

Tritanomaly

23.7207, 13.2724, 5.0530

Monochromacy



Original Color

24.4112, 13.3260, 8.1230

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.4808, 9.4084, 9.5457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4112, 13.3260, 8.1230 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(195, 35, 76)` looks like.

```
.text, #text, p{  
    color:rgb(195, 35, 76)  
}
```

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(195, 35, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 35, 76) }
```

Border

The CSS property to change the border of an element to XYZ 24.4112, 13.3260, 8.1230 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(195, 35, 76) }
```


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

```
.border{ border-color:rgb(195, 35, 76) }
```

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

Here you see how a box with a 4 pixel rgb(195, 35, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 35, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 35, 76);  
box-shadow:4px 4px 4px 4px rgb(195, 35,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4112, 13.3260, 8.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 35, 76) }
```

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

```
.background{ background-color: rgb(195, 35,  
76) }
```

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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