

# Converting Colors

XYZ(24.4881, 15.0217, 4.8964)

Have a look what the booklet for  
XYZ(24.4881, 15.0217, 4.8964)  
contains.

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# Color

**XYZ(24.5367, 15.0548,  
4.8614)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C23D34
RGB	194, 61, 52
RGB Percent	76%, 24%, 20%
CMY	0.2392, 0.7607, 0.7961
CMYK	0.00, 0.69, 0.73, 0.24
HSL	4°, 58%, 48%
HSV	4°, 73%, 76%
XYZ	24.5367, 15.0548, 4.8614
YIQ	99.7410, 82.1570, 25.3970

# Conversions

## Conversions Part 2

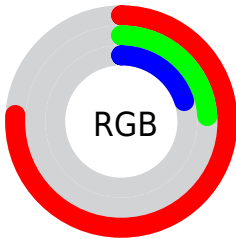
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 62, 52
Decimal	12729652
CIELab	45.71, 52.38, 35.44
CIElCh	46, 63.245, 34.084
Yxy	15.0548, 0.5520, 0.3387
Android (android.graphics.Color)	4290919732 (0xFFC23D34)
YUV	99.7410, -23.5363, 82.6651
Hunter-Lab	38.8005, 44.9791, 19.7318

# Details

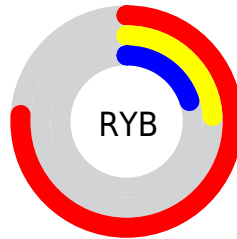
The XYZ color **24.5367, 15.0548, 4.8614** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **28.5006, 39.3188, 57.1257**, and the grayscale version is **12.0914, 12.7211, 13.8533**.

A 20% lighter version of the original color is **49.7375, 34.6516, 15.8714**, and **9.7167, 5.0041, 0.6835** is the 20% darker color. If you saturate the color by 10%, you get **23.3750, 13.2930, 2.7435**, and if you desaturate by 10%, it is **26.2071, 17.5471, 8.0345**.

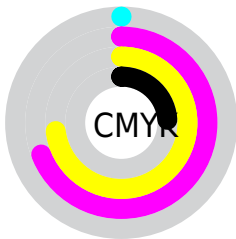
# Distribution



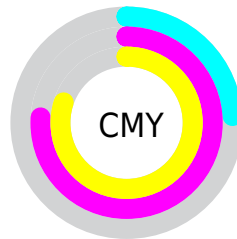
- Red (76%)
- Green (24%)
- Blue (20%)



- Red (76%)
- Yellow (24%)
- Blue (20%)



- Cyan (0%)
- Magenta (69%)
- Yellow (73%)
- Black (24%)




- Cyan (24%)
- Magenta (76%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5367, 15.0548, 4.8614 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 24.5367, 15.0548, 4.8614 by changing the saturation by 10% instead.





 24.5367, 15.0548,  
4.8614


 24.5367, 15.0548,  
4.8614


267.9131,  
223.6977, 157.3663


 15.8591, 8.8579,  
2.1089


 50.3529, 34.9493,  
15.9522


 9.5147, 4.6486,  
0.6210


 68.2223, 49.4156,  
25.1275

 5.1382, 2.0426,  
0.0000

 89.8863, 67.4072,  
37.2808

 2.3642, 0.6320,  
0.0000

 115.7103, 89.3084,  
52.8306

 0.8272, 0.0000,  
0.0000

 146.0596,  
115.5037, 72.1956

 0.0000, 0.0000,  
0.0000

 181.2996,

146.3774, 95.7941

221.7957,  
182.3139, 124.0448

■ 24.5367, 15.0548,  
4.8614

■ 24.5367, 15.0548,  
4.8614

■ 23.3750, 13.2930,  
2.7435

■ 26.2071, 17.5471,  
8.0345

■ 22.6625, 12.1801,  
1.5441

■ 28.4346, 20.8349,  
12.3753

■ 22.3832, 11.7397,  
1.0863

■ 31.2632, 24.9791,  
17.9827

■ 34.7321, 30.0337,  
24.9451

■ 38.8775, 36.0486,  
33.3427

■ 43.7324, 43.0698,  
43.2497

■ 49.3280, 51.1404,  
54.7351

■ 55.6935, 60.3012,  
67.8635

■ 62.8565, 70.5905,  
82.6961

# Harmonies

## Analogous

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



27.0957, 15.0548, 14.3969



24.5367, 15.0548, 4.8614



19.2497, 15.0548, 1.6518

# Triad

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



24.5367, 15.0548, 4.8614



6.9520, 15.0548, 6.6480



15.0485, 15.0548, 66.2552

# Complementary

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



24.5367, 15.0548, 4.8614



28.5006, 39.3188, 57.1257

# 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.



10.2957, 15.0548, 59.2473



24.5367, 15.0548, 4.8614



6.3518, 15.0548, 18.5636

# Square

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



24.5367, 15.0548, 4.8614



9.3174, 15.0548, 2.1449



7.4110, 15.0548, 38.8375



20.8253, 15.0548, 54.4776



# Rectangle

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



24.5367, 15.0548, 4.8614



15.3871, 15.0548, 1.1193



7.4110, 15.0548, 38.8375



13.2827, 15.0548, 66.0488

# Sweetspot

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



24.5370, 15.0557, 4.8616



71.1310, 66.3169, 61.8213



32.4348, 17.5088, 48.6273



15.0875, 13.8137, 12.5433



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.



24.5370, 15.0557, 4.8616



41.4614, 22.7053, 3.4454



30.8637, 27.7090, 6.9705



10.1234, 10.1782, 10.4929



14.7381, 7.7620, 0.7214



0.6548, 0.3715, 0.0372



# Inverse Universe

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



28.5006, 39.3188, 57.1257



48.8642, 68.6934, 103.1535



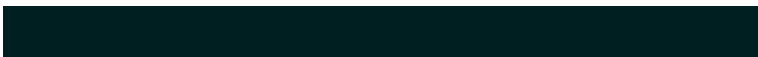
17.3876, 17.0928, 53.4213



10.3121, 11.3154, 12.9254



17.3817, 24.5198, 37.3733



0.7678, 1.0931, 1.6204



# Previews

## White Background



This preview shows how the XYZ color 24.5367, 15.0548, 4.8614 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 24.5367, 15.0548, 4.8614 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 24.5367, 15.0548, 4.8614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.5367, 15.0548, 4.8614.



This preview shows how white text looks on a background with the XYZ color 24.5367, 15.0548,

4.8614.

# 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

24.5367, 15.0548, 4.8614

### Protanopia

14.1198, 15.2766, 7.6733

### Deuteranopia

15.5583, 15.3167, 4.5193



## Tritanopia

24.7335, 15.0489, 6.1585

# Trichromacy



## Original Color

24.5367, 15.0548, 4.8614

## Protanomaly

16.5507, 14.1131, 6.4092

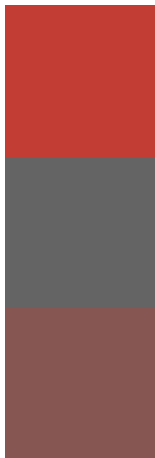
## Deuteranomaly

17.9074, 14.3528, 4.5159

## Tritanomaly

24.6277, 15.0065, 5.6015

# Monochromacy



## Original Color

24.5367, 15.0548, 4.8614

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

14.7206, 12.3484, 9.7912

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.5367, 15.0548, 4.8614 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(194, 61, 52)` looks like.

```
.text, #text, p{  
    color:rgb(194, 61, 52)  
}
```

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(194, 61, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 61, 52) }
```

## Border

The CSS property to change the border of an element to XYZ 24.5367, 15.0548, 4.8614 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(194, 61, 52) }
```



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

```
.border{ border-color:rgb(194, 61, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 61, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 61, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 61, 52);  
box-shadow:4px 4px 4px 4px rgb(194, 61,  
52) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.5367, 15.0548, 4.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 61, 52) }
```

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

```
.background{ background-color: rgb(194, 61,  
52) }
```

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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