

# Converting Colors

XYZ(34.9396, 24.7883, 15.5135)

Have a look what the booklet for  
XYZ(34.9396, 24.7883, 15.5135)  
contains.

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# Color

**XYZ(34.8812, 24.7582,  
15.5107)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D66666
RGB	214, 102, 102
RGB Percent	84%, 40%, 40%
CMY	0.1608, 0.6000, 0.6000
CMYK	0.00, 0.52, 0.52, 0.16
HSL	0°, 58%, 62%
HSV	0°, 52%, 84%
XYZ	34.8812, 24.7582, 15.5107
YIQ	135.4880, 66.7520, 23.7440

# Conversions

## Conversions Part 2

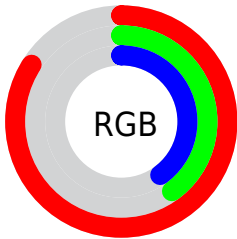
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 102, 102
Decimal	14050918
CIE Lab	56.84, 44.01, 21.13
CIE LCh	57, 48.825, 25.646
Yxy	24.7582, 0.4642, 0.3294
Android (android.graphics.Color)	4292240998 (0xFFD66666)
YUV	135.4880, -16.5096, 68.8550
Hunter-Lab	49.7576, 38.0567, 16.3481

# Details

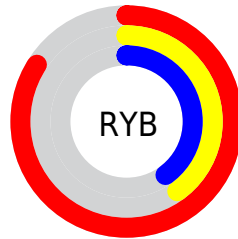
The XYZ color **34.8812, 24.7582, 15.5107** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.6620, 55.7697, 72.1869**, and the grayscale version is **23.2535, 24.4645, 26.6418**.

A 20% lighter version of the original color is **58.8782, 47.3368, 36.1707**, and **15.3478, 9.5256, 4.6441** is the 20% darker color. If you saturate the color by 10%, you get **32.1151, 20.7110, 10.0113**, and if you desaturate by 10%, it is **38.4651, 30.0030, 22.6345**.

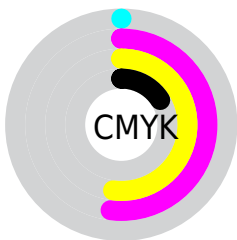
# Distribution



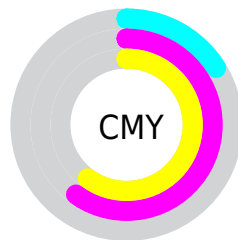
- Red (84%)
- Green (40%)
- Blue (40%)



- Red (84%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (52%)
- Yellow (52%)
- Black (16%)




- Cyan (16%)
- Magenta (60%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8812, 24.7582, 15.5107 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 34.8812, 24.7582, 15.5107 by changing the saturation by 10% instead.




 34.8812, 24.7582,  
15.5107


 34.8812, 24.7582,  
15.5107


315.5609,  
276.6316, 238.1832


 23.7375, 15.8970,  
9.0280


 66.6369, 51.2647,  
36.5015


 15.2627, 9.4513,  
4.6624


 87.9796, 69.6788,  
51.8467

 9.0915, 5.0367,  
1.9953


 113.4527, 92.0459,  
70.9832

 4.8585, 2.2688,  
0.5524

 143.4215,  
118.7505, 94.3295

 2.1984, 0.7571,  
0.0000

178.2513,  
150.1770, 122.3040

 0.7419, 0.0000,  
0.0000

218.3076,

 0.0000, 0.0000,

186.7098, 155.3255

0.0000

263.9556,  
228.7332, 193.8124

■ 34.8812, 24.7582,  
15.5107

■ 34.8812, 24.7582,  
15.5107

■ 32.1151, 20.7110,  
10.0113

■ 38.4651, 30.0030,  
22.6345

■ 30.1008, 17.7634,  
6.0072

■ 42.9225, 36.5254,  
31.4954

■ 28.7652, 15.8089,  
3.3522

■ 48.3060, 44.4030,  
42.1976

■ 28.0195, 14.7176,  
1.8701

■ 54.6639, 53.7064,  
54.8368

■ 27.7316, 14.2963,  
1.2979

■ 62.0408, 64.5009,  
69.5019

■ 70.4788, 76.8481,  
86.2766

■ 80.0176, 90.8059,  
105.2397

■ 81.5415, 93.0361,  
108.2678

# Harmonies

## Analogous

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



36.2639, 24.7582, 29.4157



34.8812, 24.7582, 15.5107



30.2867, 24.7582, 8.4403

# Triad

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



34.8812, 24.7582, 15.5107



15.5823, 24.7582, 12.8227



22.7082, 24.7582, 72.0321

# Complementary

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



34.8812, 24.7582, 15.5107



41.6620, 55.7697, 72.1869

# 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.



17.8645, 24.7582, 62.1371



34.8812, 24.7582, 15.5107



14.1948, 24.7582, 24.6401

# Square

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



34.8812, 24.7582, 15.5107



19.0930, 24.7582, 7.3868



14.9576, 24.7582, 42.9838



28.6105, 24.7582, 66.3962



# Rectangle

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



34.8812, 24.7582, 15.5107



26.3599, 24.7582, 6.5296



14.9576, 24.7582, 42.9838



20.9138, 24.7582, 70.3304

# Sweetspot

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



34.8818, 24.7595, 15.5111



77.5010, 74.3208, 74.0129



44.6205, 28.6540, 66.7971



16.1669, 15.2909, 15.0038



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.



34.8818, 24.7595, 15.5111



47.3108, 30.1438, 13.9970



42.3567, 39.7092, 18.0028



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473



# Inverse Universe

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



41.6620, 55.7697, 72.1869



58.4592, 81.1325, 107.1868



29.8440, 32.1336, 68.2476



12.7922, 14.1078, 15.9864



21.8692, 32.0002, 43.4772



1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 34.8812, 24.7582, 15.5107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

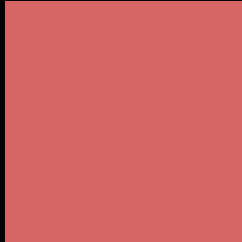
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8812, 24.7582, 15.5107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

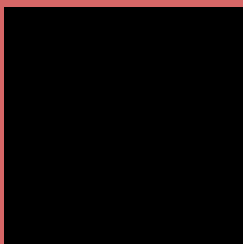
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.8812, 24.7582, 15.5107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8812, 24.7582, 15.5107.



This preview shows how white text looks on a background with the XYZ color 34.8812, 24.7582,



# 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

34.8812, 24.7582, 15.5107

### Protanopia

23.7173, 25.1286, 20.7398

### Deuteranopia

25.3782, 24.8822, 14.7744



## Tritanopia

35.0920, 24.6862, 17.1027

# Trichromacy



## Original Color

34.8812, 24.7582, 15.5107

## Protanomaly

26.4945, 24.0202, 18.5692

## Deuteranomaly

28.2600, 24.2789, 15.0012

## Tritanomaly

34.9868, 24.6441, 16.5485

# Monochromacy



## Original Color

34.8812, 24.7582, 15.5107

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

25.9680, 23.4885, 21.9040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8812, 24.7582, 15.5107 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(214, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(214, 102, 102)  
}
```

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(214, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 102, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8812, 24.7582, 15.5107 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(214, 102, 102) }
```



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

```
.border{ border-color:rgb(214, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(214, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(214, 102,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8812, 24.7582, 15.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 102, 102) }
```

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

```
.background{ background-color: rgb(214,  
102, 102) }
```

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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