

# Converting Colors

XYZ(35.3254, 24.0608, 12.2504)

Have a look what the booklet for  
XYZ(35.3254, 24.0608, 12.2504)  
contains.

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# Color

**XYZ(35.4106, 24.1213,  
12.2407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC5F59
RGB	220, 95, 89
RGB Percent	86%, 37%, 35%
CMY	0.1373, 0.6274, 0.6510
CMYK	0.00, 0.57, 0.60, 0.14
HSL	3°, 65%, 61%
HSV	3°, 60%, 86%
XYZ	35.4106, 24.1213, 12.2407
YIQ	131.6910, 76.4260, 24.6340

# Conversions

## Conversions Part 2

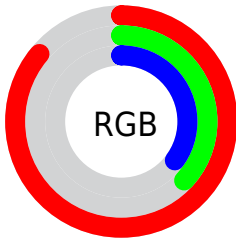
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 95, 89
Decimal	14442329
CIE <sub>Lab</sub>	56.21, 48.53, 27.97
CIE <sub>LCh</sub>	56, 56.016, 29.957
Yxy	24.1213, 0.4934, 0.3361
Android (android.graphics.Color)	4292632409 (0xFFDC5F59)
YUV	131.6910, -21.0467, 77.4470
Hunter-Lab	49.1134, 42.7493, 19.6024

# Details

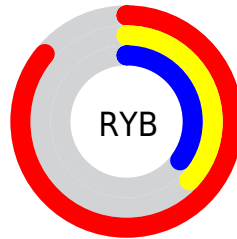
The XYZ color **35.4106, 24.1213, 12.2407** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **41.0829, 55.3808, 76.2342**, and the grayscale version is **21.8758, 23.0150, 25.0634**.

A 20% lighter version of the original color is **56.6476, 44.6190, 30.0528**, and **15.4929, 9.0629, 3.2183** is the 20% darker color. If you saturate the color by 10%, you get **32.9781, 20.5206, 7.5330**, and if you desaturate by 10%, it is **38.6296, 28.8538, 18.5725**.

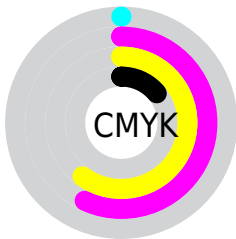
# Distribution



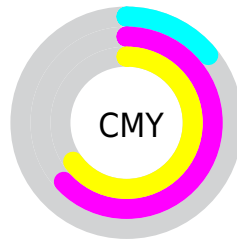
- Red (86%)
- Green (37%)
- Blue (35%)



- Red (86%)
- Yellow (37%)
- Blue (35%)



- Cyan (0%)
- Magenta (57%)
- Yellow (60%)
- Black (14%)




- Cyan (14%)
- Magenta (63%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4106, 24.1213, 12.2407 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 35.4106, 24.1213, 12.2407 by changing the saturation by 10% instead.





 35.4106, 24.1213,  
12.2407


 35.4106, 24.1213,  
12.2407


317.8534,  
273.4332, 217.0265


 24.1473, 15.4236,  
6.7833


 67.4512, 50.2281,  
30.6037

 15.5683, 9.1172,  
3.2506


 88.9593, 68.4060,  
44.3463


 9.3081, 4.8177,  
1.2240


 114.6129, 90.5127,  
61.6878

 5.0014, 2.1407,  
0.0000

 144.7776,  
116.9327, 83.0466

 2.2828, 0.6874,  
0.0000

 179.8186,  
148.0504, 108.8414

 0.7859, 0.0000,  
0.0000

220.1014,

 0.0000, 0.0000,

184.2501, 139.4906

0.0000

265.9912,  
225.9162, 175.4128

■ 35.4106, 24.1213,  
12.2407

■ 35.4106, 24.1213,  
12.2407

■ 32.9781, 20.5206,  
7.5330

■ 38.6296, 28.8538,  
18.5725

■ 31.2630, 17.9535,  
4.3003

■ 42.6930, 34.7975,  
26.6570

■ 30.1872, 16.3123,  
2.3682

■ 47.6552, 42.0294,  
36.6114

■ 29.6407, 15.4581,  
1.4502

■ 53.5655, 50.6190,  
48.5425

■ 29.6246, 15.4346,  
1.4178

■ 60.4698, 60.6308,  
62.5490

■ 68.4108, 72.1250,  
78.7229

■ 77.4289, 85.1587,  
97.1508

■ 83.3251, 93.9556,  
108.3513

# Harmonies

## Analogous

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



37.6667, 24.1213, 26.2904



35.4106, 24.1213, 12.2407



29.6990, 24.1213, 5.9764

# Triad

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



35.4106, 24.1213, 12.2407



13.7937, 24.1213, 12.2133



22.9174, 24.1213, 80.0586

# Complementary

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



35.4106, 24.1213, 12.2407



41.0829, 55.3808, 76.2342

# 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.



17.2709, 24.1213, 70.4574



35.4106, 24.1213, 12.2407



12.6421, 24.1213, 26.2376

# Square

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



35.4106, 24.1213, 12.2407



17.2841, 24.1213, 5.9666



13.7872, 24.1213, 48.2422



29.6801, 24.1213, 70.5083



# Rectangle

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



35.4106, 24.1213, 12.2407



25.1536, 24.1213, 4.5376



13.7872, 24.1213, 48.2422



20.8350, 24.1213, 78.9221

# Sweetspot

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



35.4112, 24.1226, 12.2411



76.1061, 72.5587, 70.3805



45.4348, 27.2994, 67.5919



15.7289, 14.7162, 13.9290



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.



35.4112, 24.1226, 12.2411



45.5106, 27.8263, 9.4421



43.6936, 40.6874, 15.0019



13.1037, 13.1467, 13.5725



17.4085, 9.1025, 0.8394



1.1451, 0.6242, 0.0601



# Inverse Universe

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



41.0829, 55.3808, 76.2342



54.0388, 75.0111, 106.2382



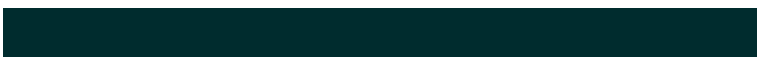
27.9658, 29.1465, 71.8618



13.3910, 14.7218, 16.7880



21.1179, 30.1052, 44.4363



1.3843, 1.9826, 2.8842



# Previews

## White Background



This preview shows how the XYZ color 35.4106, 24.1213, 12.2407 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 35.4106, 24.1213, 12.2407 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 35.4106, 24.1213, 12.2407**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4106, 24.1213, 12.2407.



This preview shows how white text looks on a background with the XYZ color 35.4106, 24.1213,



# 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

35.4106, 24.1213, 12.2407

### Protanopia

22.7671, 24.2978, 17.1257

### Deuteranopia

24.7214, 24.2176, 11.5551



## Tritanopia

36.0334, 24.1210, 14.8132

# Trichromacy



## Original Color

35.4106, 24.1213, 12.2407

## Protanomaly

26.0300, 23.1237, 15.1480

## Deuteranomaly

27.7681, 23.5688, 11.6800

## Tritanomaly

35.9328, 24.2221, 13.8478

# Monochromacy



## Original Color

35.4106, 24.1213, 12.2407

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.0591, 22.3471, 19.5157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4106, 24.1213, 12.2407 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(220, 95, 89)` looks like.

```
.text, #text, p{  
    color:rgb(220, 95, 89)  
}
```

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(220, 95, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 95, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4106, 24.1213, 12.2407 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(220, 95, 89) }
```



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

```
.border{ border-color:rgb(220, 95, 89) }
```

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

Here you see how a box with a 4 pixel rgb(220, 95, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 95, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 95, 89);  
box-shadow:4px 4px 4px 4px rgb(220, 95,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4106, 24.1213, 12.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 95, 89) }
```

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

```
.background{ background-color: rgb(220, 95,  
89) }
```

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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