

# Converting Colors

XYZ(35.2141, 21.7683, 13.1154)

Have a look what the booklet for  
XYZ(35.2141, 21.7683, 13.1154)  
contains.

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# Color

**XYZ(35.0814, 21.6831,  
13.1627)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF4C5F
RGB	223, 76, 95
RGB Percent	87%, 30%, 37%
CMY	0.1255, 0.7019, 0.6274
CMYK	0.00, 0.66, 0.57, 0.13
HSL	352°, 70%, 59%
HSV	352°, 66%, 87%
XYZ	35.0814, 21.6831, 13.1627
YIQ	122.1190, 81.5130, 37.0730

# Conversions

## Conversions Part 2

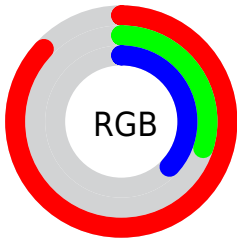
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 76, 95
Decimal	14634079
CIE Lab	53.69, 58.28, 21.26
CIE LCh	54, 62.033, 20.045
Yxy	21.6831, 0.5017, 0.3101
Android (android.graphics.Color)	4292824159 (0xFFDF4C5F)
YUV	122.1190, -13.3697, 88.4726
Hunter-Lab	46.5651, 52.9900, 15.8359

# Details

The XYZ color **35.0814, 21.6831, 13.1627** 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 **40.2689, 58.6720, 66.3346**, and the grayscale version is **18.5623, 19.5290, 21.2671**.

A 20% lighter version of the original color is **54.6021, 39.8069, 31.5937**, and **15.4547, 7.9031, 3.6166** is the 20% darker color. If you saturate the color by 10%, you get **33.0269, 18.8153, 8.6525**, and if you desaturate by 10%, it is **37.8891, 25.7058, 19.0097**.

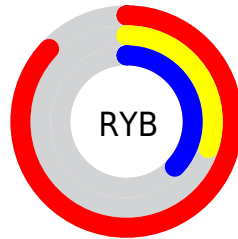
# Distribution



Red (87%)

Green (30%)

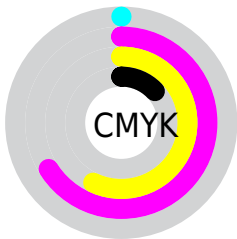
Blue (37%)



Red (87%)

Yellow (30%)

Blue (37%)

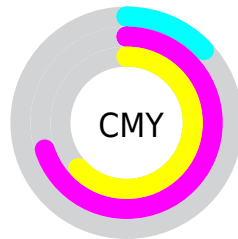


Cyan (0%)

Magenta (66%)

Yellow (57%)

Black (13%)



Cyan (13%)

Magenta (70%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0814, 21.6831, 13.1627 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 35.0814, 21.6831, 13.1627 by changing the saturation by 10% instead.





 35.0814, 21.6831,  
13.1627


 35.0814, 21.6831,  
13.1627


316.4292,  
260.8869, 223.2021


 23.8924, 13.6242,  
7.4086


 66.9450, 46.2217,  
32.2912

 15.3781, 7.8598,  
3.6366


 88.3504, 63.4702,  
46.5028


 9.1732, 4.0054,  
1.4282


 113.8919, 84.5506,  
64.3706

 4.9124, 1.6766,  
0.1636

 143.9349,  
109.8475, 86.3132

 2.2302, 0.4084,  
0.0000

 178.8448,  
139.7452, 112.7491

 0.7586, 0.0000,  
0.0000

218.9869,

 0.0000, 0.0000,

174.6280, 144.0968

0.0000

264.7266,  
214.8805, 180.7750

■ 35.0814, 21.6831,  
13.1627

■ 35.0814, 21.6831,  
13.1627

■ 33.0269, 18.8153,  
8.6525

■ 37.8891, 25.7058,  
19.0097

■ 31.6498, 16.9765,  
5.3710

■ 41.5130, 30.9846,  
26.2878


■ 30.8600, 16.0176,  
3.1945


■ 46.0111, 37.6140,  
35.0836


■ 30.6507, 15.7757,  
2.5797


■ 51.4357, 45.6783,  
45.4767

■ 57.8347, 55.2550,  
57.5412

 65.2531, 66.4159,  
71.3464

 73.7328, 79.2283,  
86.9576

 83.3135, 93.7557,  
104.4369

 84.2412, 94.4279,  
108.3942

# Harmonies

## Analogous

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



35.9165, 21.6831, 30.5118



35.0814, 21.6831, 13.1627



29.9442, 21.6831, 5.2086

# Triad

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



35.0814, 21.6831, 13.1627



12.2893, 21.6831, 7.0516



18.4797, 21.6831, 81.0450

# Complementary

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



35.0814, 21.6831, 13.1627



40.2689, 58.6720, 66.3346

# 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.



13.4489, 21.6831, 64.1963



35.0814, 21.6831, 13.1627



10.4178, 21.6831, 17.8350

# Square

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



35.0814, 21.6831, 13.1627



16.5352, 21.6831, 3.2246



10.7909, 21.6831, 38.4916



25.3026, 21.6831, 77.3160



# Rectangle

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



35.0814, 21.6831, 13.1627



25.2810, 21.6831, 3.2194



10.7909, 21.6831, 38.4916



16.5515, 21.6831, 77.3592

# Sweetspot

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



35.0819, 21.6843, 13.1631



74.5393, 69.1283, 70.7727



40.6422, 23.2507, 72.1574



15.4343, 14.0181, 14.1666



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.



35.0819, 21.6843, 13.1631



43.9707, 24.4296, 9.9056



39.7062, 32.1501, 10.9521



13.7789, 13.7292, 14.6061



18.0452, 9.2851, 1.6377



1.2746, 0.6531, 0.2386



# Inverse Universe

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



35.0819, 21.6843, 13.1631



43.9707, 24.4296, 9.9056



30.5076, 35.2789, 75.0132



13.7789, 13.7292, 14.6061



18.0452, 9.2851, 1.6377



1.2746, 0.6531, 0.2386



# Previews

## White Background



This preview shows how the XYZ color 35.0814, 21.6831, 13.1627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

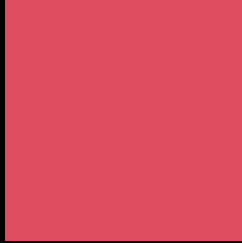
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0814, 21.6831, 13.1627 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 35.0814, 21.6831, 13.1627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0814, 21.6831, 13.1627.



This preview shows how white text looks on a background with the XYZ color 35.0814, 21.6831,



# 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

35.0814, 21.6831, 13.1627

### Protanopia

20.7218, 21.7568, 20.5601

### Deuteranopia

22.1708, 21.7405, 12.2603



## Tritanopia

34.4099, 21.6029, 10.5398

# Trichromacy



## Original Color

35.0814, 21.6831, 13.1627

## Protanomaly

24.0090, 20.1701, 17.3796

## Deuteranomaly

25.6328, 20.6471, 12.5318

## Tritanomaly

34.4984, 21.5255, 11.3534

# Monochromacy



## Original Color

35.0814, 21.6831, 13.1627

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

22.2743, 18.6439, 17.7539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0814, 21.6831, 13.1627 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(223, 76, 95)` looks like.

```
.text, #text, p{  
    color:rgb(223, 76, 95)  
}
```

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(223, 76, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 76, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0814, 21.6831, 13.1627 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(223, 76, 95) }
```



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

```
.border{ border-color:rgb(223, 76, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 76, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 76, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 76, 95);  
box-shadow:4px 4px 4px 4px rgb(223, 76,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0814, 21.6831, 13.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 76, 95) }
```

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

```
.background{ background-color: rgb(223, 76,  
95) }
```

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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