

Converting Colors

XYZ(34.3490, 21.1517, 12.2509)

Have a look what the booklet for
XYZ(34.3490, 21.1517, 12.2509)
contains.

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Color

**XYZ(34.4613, 21.1825,
12.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	DE4A5B
RGB	222, 74, 91
RGB Percent	87%, 29%, 36%
CMY	0.1294, 0.7098, 0.6431
CMYK	0.00, 0.67, 0.59, 0.13
HSL	353°, 69%, 58%
HSV	353°, 67%, 87%
XYZ	34.4613, 21.1825, 12.1698
YIQ	120.1900, 82.7510, 36.6630

Conversions

Conversions Part 2

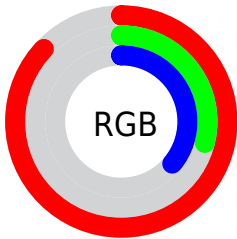
Format	Color
R_{YB}	222, 74, 91
Decimal	14568027
CIE Lab	53.15, 58.48, 22.88
CIE LCh	53, 62.797, 21.370
Yxy	21.1825, 0.5082, 0.3124
Android (android.graphics.Color)	4292758107 (0xFFDE4A5B)
YUV	120.1900, -14.3907, 89.2874
Hunter-Lab	46.0245, 53.1110, 16.5396

Details

The XYZ color **34.4613, 21.1825, 12.1698** 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 **39.9664, 58.1067, 66.8724**, and the grayscale version is **17.9406, 18.8749, 20.5548**.

A 20% lighter version of the original color is **54.0304, 39.1484, 29.9080**, and **14.9903, 7.6708, 3.2753** is the 20% darker color. If you saturate the color by 10%, you get **32.4921, 18.4280, 7.8646**, and if you desaturate by 10%, it is **37.1762, 25.0736, 17.8188**.

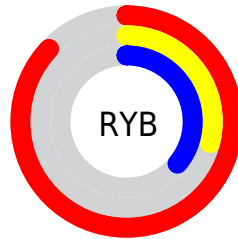
Distribution



Red (87%)

Green (29%)

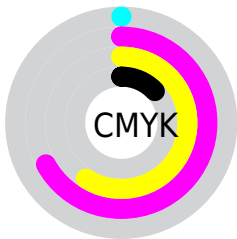
Blue (36%)



Red (87%)

Yellow (29%)

Blue (36%)

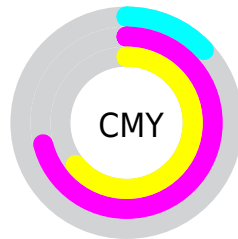


Cyan (0%)

Magenta (67%)

Yellow (59%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4613, 21.1825, 12.1698 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 34.4613, 21.1825, 12.1698 by changing the saturation by 10% instead.


 34.4613, 21.1825,
12.1698


 34.4613, 21.1825,
12.1698


313.7339,
258.2468, 216.5438


 23.4128, 13.2575,
6.7355


 65.9899, 45.3911,
30.4730


 15.0210, 7.6061,
3.2213


 87.2007, 62.4434,
44.1790


 8.9205, 3.8439,
1.2087


 112.5297, 83.3069,
61.4792

 4.7461, 1.5867,
0.0000

 142.3421,
108.3661, 82.7923

 2.1323, 0.3486,
0.0000

 177.0034,
138.0053, 108.5368

 0.7067, 0.0000,
0.0000

216.8789,

 0.0000, 0.0000,

172.6088, 139.1312

0.0000

262.3340,
212.5612, 174.9940

■ 34.4613, 21.1825,
12.1698

■ 34.4613, 21.1825,
12.1698

■ 32.4921, 18.4280,
7.8646

■ 37.1762, 25.0736,
17.8188

■ 31.1916, 16.6837,
4.7896

■ 40.7004, 30.2029,
24.9104


■ 30.4658, 15.7949,
2.8128


■ 45.0928, 36.6648,
33.5351

■ 30.3048, 15.6018,
2.3617


■ 50.4058, 44.5436,
43.7757

■ 56.6881, 53.9166,
55.7092

 63.9848, 64.8556,
69.4075

 72.3380, 77.4274,
84.9384

 81.7877, 91.6955,
102.3660

 83.9340, 94.2695,
108.3798

Harmonies

Analogous

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



35.5177, 21.1825, 28.9767



34.4613, 21.1825, 12.1698



29.1686, 21.1825, 4.7015

Triad

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



34.4613, 21.1825, 12.1698



11.7386, 21.1825, 6.9733



18.2835, 21.1825, 81.1184

Complementary

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



34.4613, 21.1825, 12.1698



39.9664, 58.1067, 66.8724

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.



13.1880, 21.1825, 64.8566



34.4613, 21.1825, 12.1698



9.9906, 21.1825, 18.0161

Square

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



34.4613, 21.1825, 12.1698



15.8432, 21.1825, 3.0503



10.4557, 21.1825, 39.0562



25.1355, 21.1825, 76.3735

Rectangle

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



34.4613, 21.1825, 12.1698



24.4784, 21.1825, 2.8982



10.4557, 21.1825, 39.0562



16.3355, 21.1825, 77.7051

Sweetspot

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



34.4618, 21.1837, 12.1701



74.4477, 69.0917, 70.2905



40.7377, 23.1141, 71.4212



15.4128, 14.0096, 14.0535



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.



34.4618, 21.1837, 12.1701



43.6741, 24.1278, 8.9085



39.4417, 32.1867, 10.6141



13.7709, 13.7260, 14.5638



18.0213, 9.2755, 1.5118



1.2707, 0.6516, 0.2185

Inverse Universe

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



34.4618, 21.1837, 12.1701



43.6741, 24.1278, 8.9085



29.5134, 33.7379, 74.0634



13.7709, 13.7260, 14.5638



18.0213, 9.2755, 1.5118



1.2707, 0.6516, 0.2185

Previews

White Background



This preview shows how the XYZ color 34.4613, 21.1825, 12.1698 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 34.4613, 21.1825, 12.1698 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 34.4613, 21.1825, 12.1698

Background



This preview shows how black text looks on a background with the XYZ color 34.4613, 21.1825, 12.1698.

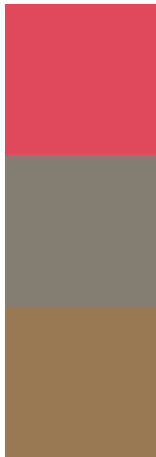


This preview shows how white text looks on a background with the XYZ color 34.4613, 21.1825,

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

34.4613, 21.1825, 12.1698

Protanopia

20.3567, 21.4031, 19.2779

Deuteranopia

21.6966, 21.3315, 11.3614



Tritanopia

33.8512, 21.1202, 9.8819

Trichromacy



Original Color

34.4613, 21.1825, 12.1698

Protanomaly

23.4811, 19.7651, 16.2131

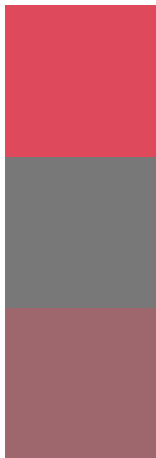
Deuteranomaly

25.1320, 20.2562, 11.6021

Tritanomaly

33.9351, 21.0444, 10.6609

Monochromacy



Original Color

34.4613, 21.1825, 12.1698

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.5152, 17.9727, 16.8031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4613, 21.1825, 12.1698 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(222, 74, 91)` looks like.

```
.text, #text, p{  
    color:rgb(222, 74, 91)  
}
```

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(222, 74, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 74, 91) }
```

Border

The CSS property to change the border of an element to XYZ 34.4613, 21.1825, 12.1698 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(222, 74, 91) }
```


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

```
.border{ border-color:rgb(222, 74, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 74, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 74, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 74, 91);  
box-shadow:4px 4px 4px 4px rgb(222, 74,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4613, 21.1825, 12.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 74, 91) }
```

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

```
.background{ background-color: rgb(222, 74,  
91) }
```

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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