

Converting Colors

XYZ(33.8862, 21.4011, 11.9571)

Have a look what the booklet for
XYZ(33.8862, 21.4011, 11.9571)
contains.

XYZ(33.8549, 21.3902, 12.0172)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8549, 21.3902,
12.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	DB4F5A
RGB	219, 79, 90
RGB Percent	86%, 31%, 35%
CMY	0.1412, 0.6902, 0.6471
CMYK	0.00, 0.64, 0.59, 0.14
HSL	355°, 66%, 58%
HSV	355°, 64%, 86%
XYZ	33.8549, 21.3902, 12.0172
YIQ	122.1140, 79.9090, 33.1010

Conversions

Conversions Part 2

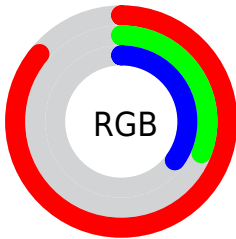
Format	Color
RYB	219, 79, 90
Decimal	14372698
CIELab	53.37, 55.40, 23.68
CIElCh	53, 60.251, 23.137
Yxy	21.3902, 0.5033, 0.3180
Android (android.graphics.Color)	4292562778 (0xFFDB4F5A)
YUV	122.1140, -15.8322, 84.9690
Hunter-Lab	46.2495, 49.7262, 16.9691

Details

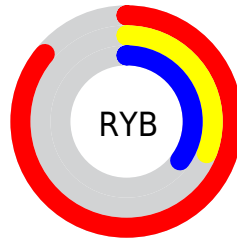
The XYZ color **33.8549, 21.3902, 12.0172** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **39.9427, 56.8800, 68.5532**, and the grayscale version is **18.5687, 19.5357, 21.2743**.

A 20% lighter version of the original color is **54.4987, 40.2036, 29.6986**, and **14.7057, 7.7215, 3.1979** is the 20% darker color. If you saturate the color by 10%, you get **31.7817, 18.4369, 7.6482**, and if you desaturate by 10%, it is **36.6825, 25.4793, 17.7882**.

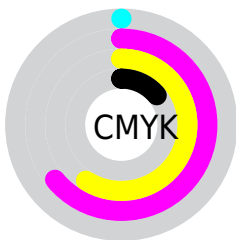
Distribution



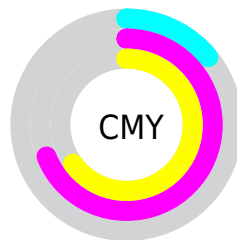
- Red (86%)
- Green (31%)
- Blue (35%)



- Red (86%)
- Yellow (31%)
- Blue (35%)



- Cyan (0%)
- Magenta (64%)
- Yellow (59%)
- Black (14%)





- Cyan (14%)
- Magenta (69%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8549, 21.3902, 12.0172 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 33.8549, 21.3902, 12.0172 by changing the saturation by 10% instead.


 33.8549, 21.3902,
12.0172


 33.8549, 21.3902,
12.0172


311.0819,
259.3450, 215.5011


 22.9445, 13.4095,
6.6327


 65.0538, 45.7360,
30.1913

 14.6730, 7.7111,
3.1585


 86.0729, 62.8700,
43.8180


 8.6750, 3.9107,
1.1761


 111.1924, 83.8238,
61.0291

 4.5852, 1.6237,
0.0000

 140.7776,
108.9819, 82.2433

 2.0383, 0.3735,
0.0000

 175.1937,
138.7287, 107.8791

 0.6553, 0.0000,
0.0000

214.8063,

 0.0000, 0.0000,

173.4485, 138.3549

0.0000

259.9805,
213.5258, 174.0894

■ 33.8549, 21.3902,
12.0172

■ 33.8549, 21.3902,
12.0172

■ 31.7817, 18.4369,
7.6482

■ 36.6825, 25.4793,
17.7882

■ 30.3885, 16.5016,
4.5605

■ 40.3261, 30.7999,
25.0660

■ 29.5887, 15.4468,
2.6144

■ 44.8430, 37.4413,
33.9468

■ 29.3161, 15.1011,
1.9081

■ 50.2846, 45.4838,
44.5183

■ 56.6986, 55.0013,
56.8619

■ 64.1291, 66.0624,
71.0538

■ 72.6178, 78.7314,
87.1657

■ 82.2039, 93.0689,
105.2654

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



35.1358, 21.3902, 27.7540



33.8549, 21.3902, 12.0172



28.6302, 21.3902, 4.9550

Triad

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



33.8549, 21.3902, 12.0172



11.9981, 21.3902, 7.9140



18.8974, 21.3902, 78.6238

Complementary

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



33.8549, 21.3902, 12.0172



39.9427, 56.8800, 68.5532

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.



13.8136, 21.3902, 64.3235



33.8549, 21.3902, 12.0172



10.4074, 21.3902, 19.3329

Square

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



33.8549, 21.3902, 12.0172



15.8740, 21.3902, 3.6023



10.9944, 21.3902, 40.0382



25.5522, 21.3902, 72.9620

Rectangle

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



33.8549, 21.3902, 12.0172



24.1080, 21.3902, 3.2358



10.9944, 21.3902, 40.0382



16.9702, 21.3902, 75.8198

Sweetspot

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



33.8554, 21.3914, 12.0176



75.1210, 70.3387, 70.8219



41.4082, 24.0212, 69.4718



15.5346, 14.2480, 14.1095



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.



33.8554, 21.3914, 12.0176



44.0243, 24.8474, 8.9662



39.6187, 33.6123, 11.7984



13.0973, 13.0680, 13.7738



17.3989, 8.9606, 1.2145



1.1420, 0.5864, 0.1565

Inverse Universe

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



33.8554, 21.3914, 12.0176



44.0243, 24.8474, 8.9662



28.6986, 32.1516, 71.7110



13.0973, 13.0680, 13.7738



17.3989, 8.9606, 1.2145



1.1420, 0.5864, 0.1565

Previews

White Background



This preview shows how the XYZ color 33.8549, 21.3902, 12.0172 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 33.8549, 21.3902, 12.0172 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 33.8549, 21.3902, 12.0172

Background



This preview shows how black text looks on a background with the XYZ color 33.8549, 21.3902, 12.0172.



This preview shows how white text looks on a background with the XYZ color 33.8549, 21.3902,

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

33.8549, 21.3902, 12.0172

Protanopia

20.4753, 21.6765, 18.4341

Deuteranopia

21.8473, 21.4136, 11.1654



Tritanopia

33.7218, 21.4533, 10.9579

Trichromacy



Original Color

33.8549, 21.3902, 12.0172

Protanomaly

23.5917, 20.1507, 15.7428

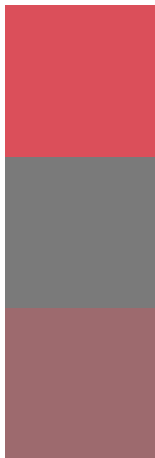
Deuteranomaly

25.1938, 20.4449, 11.4225

Tritanomaly

33.8024, 21.4855, 11.3824

Monochromacy



Original Color

33.8549, 21.3902, 12.0172

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.8731, 18.6020, 17.1895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8549, 21.3902, 12.0172 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(219, 79, 90)` looks like.

```
.text, #text, p{  
    color:rgb(219, 79, 90)  
}
```

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(219, 79, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 79, 90) }
```

Border

The CSS property to change the border of an element to XYZ 33.8549, 21.3902, 12.0172 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(219, 79, 90) }
```


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

```
.border{ border-color:rgb(219, 79, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 79, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 79, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 79, 90);  
box-shadow:4px 4px 4px 4px rgb(219, 79,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8549, 21.3902, 12.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 79, 90) }
```

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

```
.background{ background-color: rgb(219, 79,  
90) }
```

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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