

Converting Colors

XYZ(33.9400, 21.5338, 12.0831)

Have a look what the booklet for
XYZ(33.9400, 21.5338, 12.0831)
contains.

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Color

**XYZ(33.9275, 21.5356,
12.0415)**

Conversions

Conversions Part 1

Format	Color
Hex	DB505A
RGB	219, 80, 90
RGB Percent	86%, 31%, 35%
CMY	0.1412, 0.6862, 0.6471
CMYK	0.00, 0.63, 0.59, 0.14
HSL	356°, 66%, 59%
HSV	356°, 63%, 86%
XYZ	33.9275, 21.5356, 12.0415
YIQ	122.7010, 79.6340, 32.5780

Conversions

Conversions Part 2

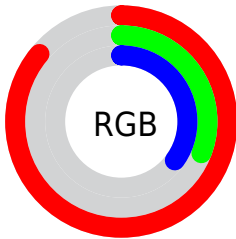
Format	Color
RYB	219, 80, 90
Decimal	14372954
CIELab	53.53, 54.98, 23.88
CIELCh	54, 59.944, 23.477
Yxy	21.5356, 0.5026, 0.3190
Android (android.graphics.Color)	4292563034 (0xFFDB505A)
YUV	122.7010, -16.1216, 84.4542
Hunter-Lab	46.4065, 49.2890, 17.1000

Details

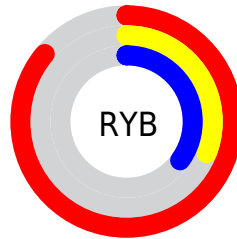
The XYZ color **33.9275, 21.5356, 12.0415** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **40.1499, 56.9723, 69.2071**, and the grayscale version is **18.7623, 19.7394, 21.4962**.

A 20% lighter version of the original color is **54.6376, 40.4814, 29.7449**, and **14.7450, 7.8002, 3.2111** is the 20% darker color. If you saturate the color by 10%, you get **31.8270, 18.5352, 7.6409**, and if you desaturate by 10%, it is **36.7879, 25.6777, 17.8626**.

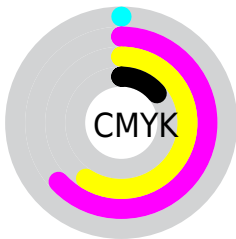
Distribution



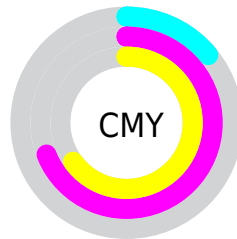
- Red (86%)
- Green (31%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (63%)
- Yellow (59%)
- Black (14%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9275, 21.5356, 12.0415 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 33.9275, 21.5356, 12.0415 by changing the saturation by 10% instead.


 33.9275, 21.5356,
12.0415


 33.9275, 21.5356,
12.0415


311.4003,
260.1114, 215.6675


 23.0005, 13.5161,
6.6491


 65.1659, 45.9772,
30.2362

 14.7146, 7.7849,
3.1685


 86.2081, 63.1681,
43.8755


 8.7043, 3.9576,
1.1813


 111.3528, 84.1849,
61.1009

 4.6044, 1.6499,
0.0000

 140.9652,
109.4120, 82.3309

 2.0494, 0.3909,
0.0000

 175.4109,
139.2338, 107.9840

 0.6615, 0.0000,
0.0000

215.0550,

 0.0000, 0.0000,

174.0347, 138.4788

0.0000

260.2630,
214.1991, 174.2338

■ 33.9275, 21.5356,
12.0415

■ 33.9275, 21.5356,
12.0415

■ 31.8270, 18.5352,
7.6409

■ 36.7879, 25.6777,
17.8626

■ 30.4122, 16.5591,
4.5379

■ 40.4701, 31.0567,
25.2108

■ 29.5965, 15.4712,
2.5903

■ 45.0314, 37.7617,
34.1839

■ 29.3048, 15.0966,
1.8496

■ 50.5233, 45.8728,
44.8712

■ 56.9938, 55.4637,
57.3554

■ 64.4870, 66.6030,
71.7140

■ 73.0448, 79.3548,
88.0197

■ 82.6400, 93.6467,
106.3194

■ 83.0232, 93.8000,
108.3372

Harmonies

Analogous

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



35.2572, 21.5356, 27.6758



33.9275, 21.5356, 12.0415



28.6832, 21.5356, 5.0185

Triad

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



33.9275, 21.5356, 12.0415



12.1002, 21.5356, 8.1262



19.1052, 21.5356, 78.6331

Complementary

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



33.9275, 21.5356, 12.0415



40.1499, 56.9723, 69.2071

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.



13.9949, 21.5356, 64.5966



33.9275, 21.5356, 12.0415



10.5305, 21.5356, 19.6754

Square

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



33.9275, 21.5356, 12.0415



15.9554, 21.5356, 3.7203



11.1438, 21.5356, 40.4387



25.7622, 21.5356, 72.7716

Rectangle

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



33.9275, 21.5356, 12.0415



24.1644, 21.5356, 3.3088



11.1438, 21.5356, 40.4387



17.1708, 21.5356, 75.9209

Sweetspot

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



33.9280, 21.5368, 12.0419



75.0809, 70.3227, 70.6107



41.5041, 24.1786, 69.4967



15.5251, 14.2443, 14.0597



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.



33.9280, 21.5368, 12.0419



44.1940, 25.1287, 9.2013



39.7387, 33.7938, 12.0196



13.0938, 13.0666, 13.7553



17.3914, 8.9576, 1.1753



1.1403, 0.5858, 0.1477

Inverse Universe

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



33.9280, 21.5368, 12.0419



44.1940, 25.1287, 9.2013



28.8551, 32.3404, 71.7388



13.0938, 13.0666, 13.7553



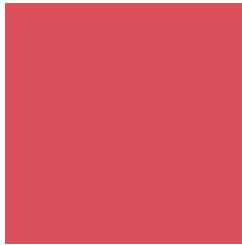
17.3914, 8.9576, 1.1753



1.1403, 0.5858, 0.1477

Previews

White Background



This preview shows how the XYZ color 33.9275, 21.5356, 12.0415 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 33.9275, 21.5356, 12.0415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

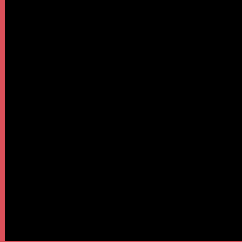
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9275, 21.5356, 12.0415

Background



This preview shows how black text looks on a background with the XYZ color 33.9275, 21.5356, 12.0415.



This preview shows how white text looks on a background with the XYZ color 33.9275, 21.5356,

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

33.9275, 21.5356, 12.0415

Protanopia

20.5801, 21.7369, 18.1499

Deuteranopia

21.9707, 21.6605, 11.2065



Tritanopia

33.8356, 21.6168, 11.1932

Trichromacy



Original Color

33.9275, 21.5356, 12.0415

Protanomaly

23.8585, 20.4551, 15.5227

Deuteranomaly

25.2975, 20.6523, 11.4571

Tritanomaly

33.8761, 21.6330, 11.4069

Monochromacy



Original Color

33.9275, 21.5356, 12.0415

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.2275, 18.9322, 17.5217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9275, 21.5356, 12.0415 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, 80, 90)` looks like.

```
.text, #text, p{  
    color:rgb(219, 80, 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, 80, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 80, 90) }
```

Border

The CSS property to change the border of an element to XYZ 33.9275, 21.5356, 12.0415 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, 80, 90) }
```


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

```
.border{ border-color:rgb(219, 80, 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, 80, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 80, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 80, 90);  
box-shadow:4px 4px 4px 4px rgb(219, 80,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9275, 21.5356, 12.0415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 80, 90) }
```

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

```
.background{ background-color: rgb(219, 80,  
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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