

Converting Colors

XYZ(33.5412, 21.5855, 10.3933)

Have a look what the booklet for
XYZ(33.5412, 21.5855, 10.3933)
contains.

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Color

**XYZ(33.4537, 21.5492,
10.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5252
RGB	218, 82, 82
RGB Percent	85%, 32%, 32%
CMY	0.1451, 0.6784, 0.6784
CMYK	0.00, 0.62, 0.62, 0.15
HSL	0°, 65%, 59%
HSV	0°, 62%, 85%
XYZ	33.4537, 21.5492, 10.3789
YIQ	122.6640, 81.0560, 28.8320

Conversions

Conversions Part 2

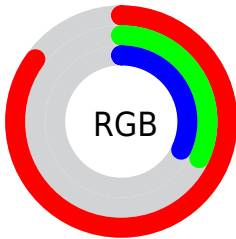
Format	Color
RYB	218, 82, 82
Decimal	14307922
CIELab	53.55, 53.26, 28.54
CIElCh	54, 60.427, 28.189
Yxy	21.5492, 0.5117, 0.3296
Android (android.graphics.Color)	4292498002 (0xFFDA5252)
YUV	122.6640, -20.0474, 83.6097
Hunter-Lab	46.4211, 47.4003, 19.2386

Details

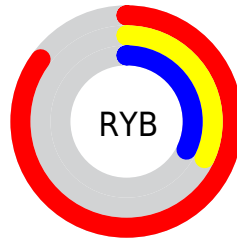
The XYZ color **33.4537, 21.5492, 10.3789** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **41.2038, 56.9944, 75.1586**, and the grayscale version is **18.7622, 19.7393, 21.4961**.

A 20% lighter version of the original color is **54.2824, 40.7900, 26.4850**, and **14.5067, 7.8380, 2.4986** is the 20% darker color. If you saturate the color by 10%, you get **31.3611, 18.4874, 6.2184**, and if you desaturate by 10%, it is **36.3328, 25.7626, 16.1015**.

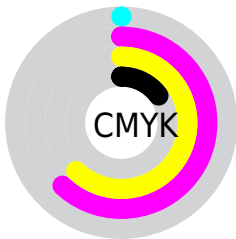
Distribution



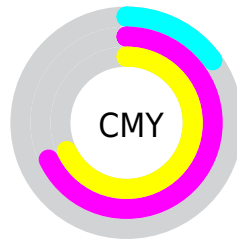
- Red (85%)
- Green (32%)
- Blue (32%)



- Red (85%)
- Yellow (32%)
- Blue (32%)



- Cyan (0%)
- Magenta (62%)
- Yellow (62%)
- Black (15%)



- Cyan (15%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4537, 21.5492, 10.3789 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 33.4537, 21.5492, 10.3789 by changing the saturation by 10% instead.

 33.4537, 21.5492,
10.3789


 33.4537, 21.5492,
10.3789


309.3182,
260.1830, 203.9374


 22.6351, 13.5260,
5.5420


 64.4332, 45.9998,
27.1247


 14.4435, 7.7918,
2.5044


 85.3248, 63.1960,
39.8706


 8.5136, 3.9620,
0.8425


 110.3048, 84.2187,
56.0900

 4.4798, 1.6523,
0.0000

 139.7385,
109.4522, 76.2014

 1.9770, 0.3925,
0.0000

 173.9914,
139.2810, 100.6233

 0.6210, 0.0000,
0.0000

213.4287,

 0.0000, 0.0000,

174.0895, 129.7742

0.0000

258.4159,
214.2620, 164.0728

■ 33.4537, 21.5492,
10.3789

■ 33.4537, 21.5492,
10.3789

■ 31.3611, 18.4874,
6.2184

■ 36.3328, 25.7626,
16.1015

■ 29.9759, 16.4605,
3.4651

■ 40.0640, 31.2225,
23.5188

■ 29.2058, 15.3335,
1.9345

■ 44.7080, 38.0180,
32.7508

■ 28.9134, 14.9056,
1.3532

■ 50.3194, 46.2291,
43.9060

■ 56.9486, 55.9295,
57.0846

■ 64.6424, 67.1877,
72.3797

■ 73.4448, 80.0681,
89.8787

■ 82.7232, 93.6453,
108.3231

Harmonies

Analogous

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



35.5240, 21.5492, 24.6023



33.4537, 21.5492, 10.3789



27.7293, 21.5492, 4.3852

Triad

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



33.4537, 21.5492, 10.3789



11.6562, 21.5492, 9.2921



20.0930, 21.5492, 79.7772

Complementary

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



33.4537, 21.5492, 10.3789



41.2038, 56.9944, 75.1586

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.



14.6220, 21.5492, 68.3616



33.4537, 21.5492, 10.3789



10.4285, 21.5492, 22.3602

Square

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



33.4537, 21.5492, 10.3789



15.1702, 21.5492, 4.0289



11.3894, 21.5492, 44.5264



26.9079, 21.5492, 70.6738

Rectangle

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



33.4537, 21.5492, 10.3789



23.1232, 21.5492, 3.0526



11.3894, 21.5492, 44.5264



18.0498, 21.5492, 78.1306

Sweetspot

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



33.4542, 21.5504, 10.3793



74.6521, 70.1522, 68.3496



44.5854, 26.0020, 68.9982



15.4242, 14.2041, 13.5274



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.



33.4542, 21.5504, 10.3793



43.9782, 25.2672, 7.3724



41.3426, 37.3273, 13.0087



13.0561, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525

Inverse Universe

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



41.2038, 56.9944, 75.1586



55.9047, 79.8149, 107.0671



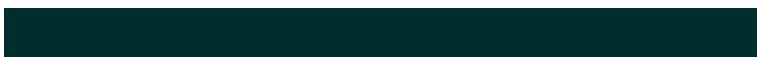
27.0409, 28.6686, 70.4376



13.4449, 14.8295, 16.8059



22.6001, 33.0697, 44.9303



1.4642, 2.1425, 2.9108

Previews

White Background



This preview shows how the XYZ color 33.4537, 21.5492, 10.3789 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 33.4537, 21.5492, 10.3789 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 33.4537, 21.5492, 10.3789

Background



This preview shows how black text looks on a background with the XYZ color 33.4537, 21.5492, 10.3789.



This preview shows how white text looks on a background with the XYZ color 33.4537, 21.5492,

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

33.4537, 21.5492, 10.3789

Protanopia

20.3847, 21.6963, 15.4253

Deuteranopia

22.0633, 21.7418, 9.6903



Tritanopia

33.5356, 21.4622, 11.1792

Trichromacy



Original Color

33.4537, 21.5492, 10.3789

Protanomaly

23.4307, 20.2840, 13.2699

Deuteranomaly

25.3281, 20.8589, 9.8990

Tritanomaly

33.4956, 21.4462, 10.9684

Monochromacy



Original Color

33.4537, 21.5492, 10.3789

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.1699, 19.0769, 16.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4537, 21.5492, 10.3789 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(218, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(218, 82, 82)  
}
```

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(218, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 82, 82) }
```

Border

The CSS property to change the border of an element to XYZ 33.4537, 21.5492, 10.3789 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(218, 82, 82) }
```


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

```
.border{ border-color:rgb(218, 82, 82) }
```

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

Here you see how a box with a 4 pixel rgb(218, 82, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(218, 82,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4537, 21.5492, 10.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 82, 82) }
```

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

```
.background{ background-color: rgb(218, 82,  
82) }
```

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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