

Converting Colors

XYZ(33.7782, 21.8700, 8.5719)

Have a look what the booklet for
XYZ(33.7782, 21.8700, 8.5719)
contains.

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Color

**XYZ(33.7782, 21.8700,
8.5719)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5348
RGB	220, 83, 72
RGB Percent	86%, 33%, 28%
CMY	0.1373, 0.6745, 0.7176
CMYK	0.00, 0.62, 0.67, 0.14
HSL	4°, 68%, 57%
HSV	4°, 67%, 86%
XYZ	33.7782, 21.8700, 8.5719
YIQ	122.7090, 85.1830, 25.6230

Conversions

Conversions Part 2

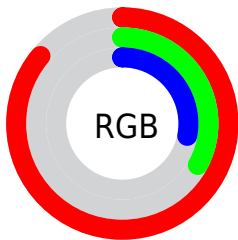
Format	Color
R_{YB}	220, 84, 72
Decimal	14439240
CIE Lab	53.89, 52.92, 34.78
CIE LCh	54, 63.324, 33.315
Yxy	21.8700, 0.5260, 0.3405
Android (android.graphics.Color)	4292629320 (0xFFDC5348)
YUV	122.7090, -24.9995, 85.3242
Hunter-Lab	46.7654, 47.0895, 21.8681

Details

The XYZ color **33.7782, 21.8700, 8.5719** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **38.3894, 52.1422, 75.7511**, and the grayscale version is **18.7918, 19.7704, 21.5300**.

A 20% lighter version of the original color is **53.7797, 40.8174, 23.1332**, and **14.5853, 7.9221, 1.7973** is the 20% darker color. If you saturate the color by 10%, you get **31.8487, 18.9616, 4.9991**, and if you desaturate by 10%, it is **36.4228, 25.7984, 13.6497**.

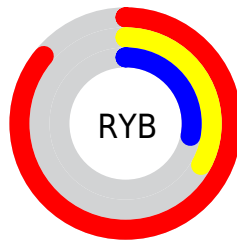
Distribution



Red (86%)

Green (33%)

Blue (28%)



Red (86%)

Yellow (33%)

Blue (28%)

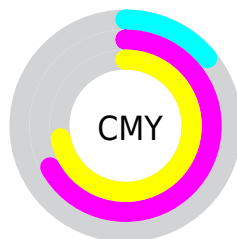


Cyan (0%)

Magenta (62%)

Yellow (67%)

Black (14%)



Cyan (14%)


Magenta (67%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7782, 21.8700, 8.5719 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 33.7782, 21.8700, 8.5719 by changing the saturation by 10% instead.


 33.7782, 21.8700,
8.5719


 33.7782, 21.8700,
8.5719

310.7453,
261.8666, 190.2503


 22.8853, 13.7614,
4.3700


 64.9352, 46.5310,
23.6366

 14.6291, 7.9549,
1.8305


 85.9300, 63.8523,
35.3365


 8.6441, 4.0661,
0.4479

 111.0229, 85.0132,
50.3729

 4.5650, 1.7106,
0.0000

 140.5792,
110.3982, 69.1643

 2.0265, 0.4305,
0.0000

 174.9642,
140.3916, 92.1292

 0.6488, 0.0000,
0.0000

214.5433,

 0.0000, 0.0000,

175.3779, 119.6861

0.0000

259.6819,
215.7414, 152.2536

■ 33.7782, 21.8700,
8.5719

■ 33.7782, 21.8700,
8.5719

■ 31.8487, 18.9616,
4.9991

■ 36.4228, 25.7984,
13.6497

■ 30.5627, 16.9753,
2.7644

■ 39.8421, 30.8257,
20.3733

■ 29.8333, 15.7994,
1.6495

■ 44.0909, 37.0272,
28.8681

■ 29.7058, 15.5970,
1.4449

■ 49.2188, 44.4706,
39.2476

■ 55.2714, 53.2185,
51.6154

■ 62.2912, 63.3291,
66.0677

■ 70.3179, 74.8572,
82.6946

■ 79.3893, 87.8546,
101.5807

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



36.8120, 21.8700, 21.7070



33.7782, 21.8700, 8.5719



27.2469, 21.8700, 3.5542

Triad

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



33.7782, 21.8700, 8.5719



11.1364, 21.8700, 10.6190



21.5541, 21.8700, 84.3944

Complementary

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



33.7782, 21.8700, 8.5719



38.3894, 52.1422, 75.7511

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.



15.4381, 21.8700, 75.5721



33.7782, 21.8700, 8.5719



10.2543, 21.8700, 26.0504

Square

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



33.7782, 21.8700, 8.5719



14.3862, 21.8700, 4.2008



11.6440, 21.8700, 50.9570



28.8499, 21.8700, 70.9799

Rectangle

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



33.7782, 21.8700, 8.5719



22.3504, 21.8700, 2.6015



11.6440, 21.8700, 50.9570



19.2979, 21.8700, 83.9479

Sweetspot

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



33.7787, 21.8712, 8.5723



74.6445, 70.6306, 66.8256



43.4820, 24.5102, 63.4989



15.4586, 14.3688, 13.2435



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.



33.7787, 21.8712, 8.5723



43.6057, 25.1228, 5.3961



42.5510, 39.4157, 11.4963



13.1334, 13.2062, 13.5824



17.4648, 9.2151, 0.8582



1.1593, 0.6526, 0.0649

Inverse Universe

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



38.3894, 52.1422, 75.7511



50.3439, 69.9666, 105.4592



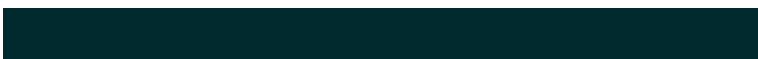
24.4138, 24.1910, 71.0925



13.3577, 14.6551, 16.7768



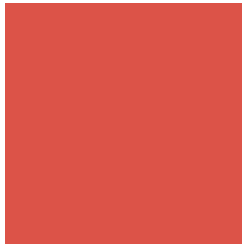
20.2399, 28.3492, 44.1436



1.3365, 1.8871, 2.8683

Previews

White Background



This preview shows how the XYZ color 33.7782, 21.8700, 8.5719 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 33.7782, 21.8700, 8.5719 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 33.7782, 21.8700, 8.5719

Background



This preview shows how black text looks on a background with the XYZ color 33.7782, 21.8700, 8.5719.



This preview shows how white text looks on a background with the XYZ color 33.7782, 21.8700,

8.5719.

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

33.7782, 21.8700, 8.5719

Protanopia

20.4686, 21.9972, 12.6183

Deuteranopia

22.3352, 21.9185, 8.0545



Tritanopia

34.4409, 21.9289, 11.2216

Trichromacy



Original Color

33.7782, 21.8700, 8.5719

Protanomaly

23.7177, 20.6479, 10.9190

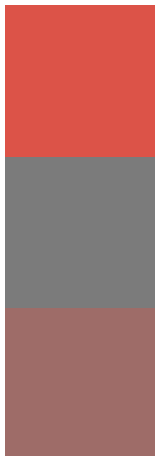
Deuteranomaly

25.4620, 20.9662, 8.1737

Tritanomaly

34.3213, 22.0008, 10.2222

Monochromacy



Original Color

33.7782, 21.8700, 8.5719

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.9618, 18.9937, 15.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7782, 21.8700, 8.5719 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(220, 83, 72)` looks like.

```
.text, #text, p{  
    color:rgb(220, 83, 72)  
}
```

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(220, 83, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 83, 72) }
```

Border

The CSS property to change the border of an element to XYZ 33.7782, 21.8700, 8.5719 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(220, 83, 72) }
```


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

```
.border{ border-color:rgb(220, 83, 72) }
```

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

Here you see how a box with a 4 pixel rgb(220, 83, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 83, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 83, 72);  
box-shadow:4px 4px 4px 4px rgb(220, 83,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7782, 21.8700, 8.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 83, 72) }
```

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

```
.background{ background-color: rgb(220, 83,  
72) }
```

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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