

Converting Colors

XYZ(33.7638, 20.9886, 8.2331)

Have a look what the booklet for
XYZ(33.7638, 20.9886, 8.2331)
contains.

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Color

**XYZ(33.7776, 21.0167,
8.2376)**

Conversions

Conversions Part 1

Format	Color
Hex	DE4B47
RGB	222, 75, 71
RGB Percent	87%, 29%, 28%
CMY	0.1294, 0.7058, 0.7216
CMYK	0.00, 0.66, 0.68, 0.13
HSL	2°, 70%, 57%
HSV	2°, 68%, 87%
XYZ	33.7776, 21.0167, 8.2376
YIQ	118.4970, 88.8960, 29.9200

Conversions

Conversions Part 2

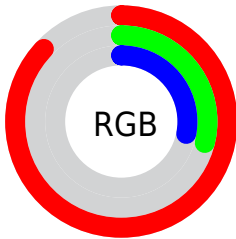
Format	Color
RYB	222, 75, 71
Decimal	14568263
CIELab	52.97, 56.89, 34.32
CIElCh	53, 66.438, 31.104
Yxy	21.0167, 0.5359, 0.3334
Android (android.graphics.Color)	4292758343 (0xFFDE4B47)
YUV	118.4970, -23.4160, 90.7721
Hunter-Lab	45.8440, 51.2909, 21.4371

Details

The XYZ color **33.7776, 21.0167, 8.2376** 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 **40.8522, 56.7513, 77.9077**, and the grayscale version is **17.4288, 18.3364, 19.9684**.

A 20% lighter version of the original color is **52.7465, 38.8487, 22.4878**, and **14.6950, 7.5527, 1.7202** is the 20% darker color. If you saturate the color by 10%, you get **31.9656, 18.3323, 4.7375**, and if you desaturate by 10%, it is **36.3484, 24.8028, 13.2742**.

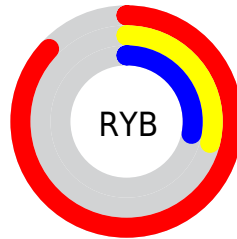
Distribution



Red (87%)

Green (29%)

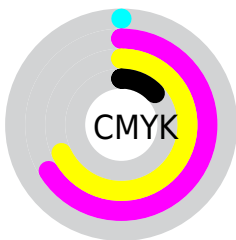
Blue (28%)



Red (87%)

Yellow (29%)

Blue (28%)

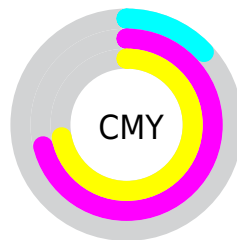


Cyan (0%)

Magenta (66%)

Yellow (68%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7776, 21.0167, 8.2376 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 33.7776, 21.0167, 8.2376 by changing the saturation by 10% instead.


 33.7776, 21.0167,
8.2376


 33.7776, 21.0167,
8.2376

310.7426,
257.3672, 187.5876


 22.8849, 13.1362,
4.1574


 64.9343, 45.1153,
22.9767

 14.6288, 7.5224,
1.7121


 85.9289, 62.1023,
34.4728

 8.6439, 3.7909,
0.3690

 111.0216, 82.8934,
49.2779

 4.5649, 1.5573,
0.0000

 140.5776,
107.8733, 67.8105

 2.0264, 0.3286,
0.0000

 174.9624,
137.4262, 90.4892

 0.6487, 0.0000,
0.0000

214.5412,

 0.0000, 0.0000,

171.9366, 117.7326

0.0000

259.6795,
211.7888, 149.9592

■ 33.7776, 21.0167,
8.2376

■ 33.7776, 21.0167,
8.2376

■ 31.9656, 18.3323,
4.7375

■ 36.3484, 24.8028,
13.2742

■ 30.8281, 16.6285,
2.5977

■ 39.7473, 29.7878,
19.9955


■ 30.2586, 15.7601,
1.5736


■ 44.0375, 36.0628,
28.5332

■ 30.1880, 15.6574,
1.4311


■ 49.2757, 43.7086,
39.0058

■ 55.5139, 52.7996,
51.5217

 62.8003, 63.4051,
66.1813

 71.1800, 75.5895,
83.0785

 80.6954, 89.4138,
102.3015

 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.



36.5813, 21.0167, 22.1522



33.7776, 21.0167, 8.2376



27.1715, 21.0167, 3.0505

Triad

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



33.7776, 21.0167, 8.2376



10.3947, 21.0167, 8.9028



20.2350, 21.0167, 86.6450

Complementary

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



33.7776, 21.0167, 8.2376



40.8522, 56.7513, 77.9077

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.



14.1778, 21.0167, 75.5702



33.7776, 21.0167, 8.2376



9.3544, 21.0167, 23.6309

Square

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



33.7776, 21.0167, 8.2376



13.8250, 21.0167, 3.2475



10.5627, 21.0167, 48.9683



27.7242, 21.0167, 73.9425

Rectangle

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



33.7776, 21.0167, 8.2376



22.1192, 21.0167, 2.0576



10.5627, 21.0167, 48.9683



17.9755, 21.0167, 85.5463

Sweetspot

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



33.7781, 21.0179, 8.2379



74.0552, 69.4519, 66.6292



45.2271, 25.1760, 69.8272



15.3209, 14.0934, 13.1976



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.



33.7781, 21.0179, 8.2379



42.9348, 23.8638, 4.9177



42.0114, 37.4846, 10.9824



13.7363, 13.7585, 14.2385



17.9439, 9.3257, 0.8543



1.2542, 0.6673, 0.0627

Inverse Universe

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



40.8522, 56.7513, 77.9077



53.1867, 75.8274, 106.4407



25.7541, 26.5550, 72.8750



14.0837, 15.5066, 17.6385



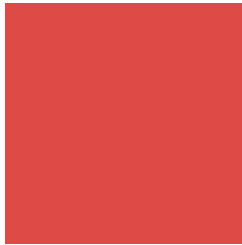
22.4471, 32.3638, 46.1121



1.5659, 2.2633, 3.1996

Previews

White Background



This preview shows how the XYZ color 33.7776, 21.0167, 8.2376 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 33.7776, 21.0167, 8.2376 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 33.7776, 21.0167, 8.2376

Background



This preview shows how black text looks on a background with the XYZ color 33.7776, 21.0167, 8.2376.



This preview shows how white text looks on a background with the XYZ color 33.7776, 21.0167,

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

33.7776, 21.0167, 8.2376

Protanopia

19.7514, 21.2353, 12.7307

Deuteranopia

21.4449, 21.1015, 7.6454



Tritanopia

33.9481, 20.9772, 9.4675

Trichromacy



Original Color

33.7776, 21.0167, 8.2376

Protanomaly

23.0723, 19.6745, 10.7651

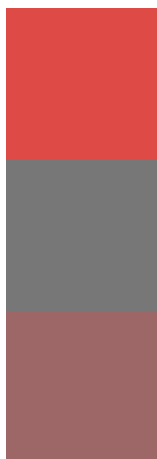
Deuteranomaly

24.7561, 19.9973, 7.7093

Tritanomaly

33.8430, 20.9352, 8.9138

Monochromacy



Original Color

33.7776, 21.0167, 8.2376

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.9588, 17.7277, 14.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7776, 21.0167, 8.2376 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, 75, 71)` looks like.

```
.text, #text, p{  
    color:rgb(222, 75, 71)  
}
```

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, 75, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 75, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.7776, 21.0167, 8.2376 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, 75, 71) }
```


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

```
.border{ border-color:rgb(222, 75, 71) }
```

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

Here you see how a box with a 4 pixel rgb(222, 75, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 75, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 75, 71);  
box-shadow:4px 4px 4px 4px rgb(222, 75,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7776, 21.0167, 8.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 75, 71) }
```

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

```
.background{ background-color: rgb(222, 75,  
71) }
```

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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