

Converting Colors

XYZ(33.7727, 20.9592, 6.9309)

Have a look what the booklet for
XYZ(33.7727, 20.9592, 6.9309)
contains.

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Color

**XYZ(33.7774, 20.9444,
6.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	DF4A3F
RGB	223, 74, 63
RGB Percent	87%, 29%, 25%
CMY	0.1255, 0.7098, 0.7529
CMYK	0.00, 0.67, 0.72, 0.13
HSL	4°, 71%, 56%
HSV	4°, 72%, 87%
XYZ	33.7774, 20.9444, 6.9650
YIQ	117.2970, 92.3350, 28.1670

Conversions

Conversions Part 2

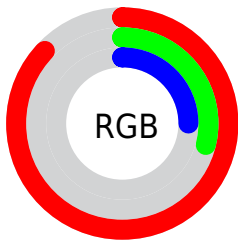
Format	Color
R_{YB}	223, 75, 63
Decimal	14633535
CIE Lab	52.89, 57.23, 38.79
CIE LCh	53, 69.132, 34.129
Yxy	20.9444, 0.5476, 0.3395
Android (android.graphics.Color)	4292823615 (0xFFDF4A3F)
YUV	117.2970, -26.7684, 92.7015
Hunter-Lab	45.7651, 51.6550, 23.0122

Details

The XYZ color **33.7774, 20.9444, 6.9650** 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 **38.9102, 53.4665, 78.0809**, and the grayscale version is **17.0622, 17.9508, 19.5484**.

A 20% lighter version of the original color is **52.0919, 38.3730, 19.7001**, and **14.6147, 7.5206, 1.2974** is the 20% darker color. If you saturate the color by 10%, you get **32.1105, 18.4144, 3.9325**, and if you desaturate by 10%, it is **36.1549, 24.4925, 11.4790**.

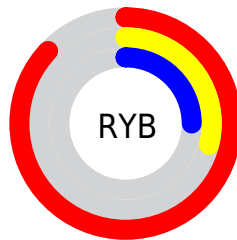
Distribution



Red (87%)

Green (29%)

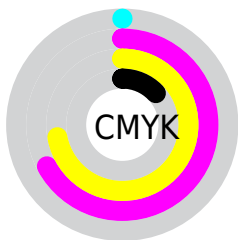
Blue (25%)



Red (87%)

Yellow (29%)

Blue (25%)

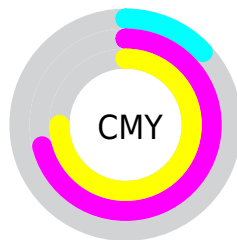


Cyan (0%)

Magenta (67%)

Yellow (72%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7774, 20.9444, 6.9650 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 33.7774, 20.9444, 6.9650 by changing the saturation by 10% instead.


 33.7774, 20.9444,
6.9650


 33.7774, 20.9444,
6.9650

310.7418,
256.9829, 176.9925


 22.8847, 13.0834,
3.3621


 64.9340, 44.9950,
20.4144

 14.6286, 7.4860,
1.2824


 85.9285, 61.9533,
31.0981

 8.6438, 3.7678,
0.0473

 111.0211, 82.7129,
44.9790

 4.5648, 1.5446,
0.0000

 140.5771,
107.6581, 62.4758

 2.0264, 0.3198,
0.0000

 174.9618,
137.1733, 84.0070

 0.6487, 0.0000,
0.0000

 214.5406,

 0.0000, 0.0000,

171.6429, 109.9912

0.0000

259.6788,
211.4513, 140.8468

■ 33.7774, 20.9444,
6.9650

■ 33.7774, 20.9444,
6.9650

■ 32.1105, 18.4144,
3.9325

■ 36.1549, 24.4925,
11.4790

■ 31.0732, 16.7919,
2.1930


■ 39.3094, 29.1473,
17.6303


■ 30.6070, 16.0393,
1.4827


■ 43.3012, 34.9916,
25.5559


■ 48.1843, 42.0997,
35.3783

■ 54.0081, 50.5395,
47.2092

 60.8186, 60.3743,
61.1513

 68.6584, 71.6631,
77.3007

 77.5678, 84.4618,
95.7473

 84.2412, 94.4279,
108.3942

Harmonies

Analogous

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



37.2449, 20.9444, 20.0564



33.7774, 20.9444, 6.9650



26.6114, 20.9444, 2.4639

Triad

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



33.7774, 20.9444, 6.9650



9.8341, 20.9444, 9.4685



20.9250, 20.9444, 90.0420

Complementary

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



33.7774, 20.9444, 6.9650



38.9102, 53.4665, 78.0809

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.



14.4354, 20.9444, 80.6752



33.7774, 20.9444, 6.9650



9.0100, 20.9444, 25.7937

Square

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



33.7774, 20.9444, 6.9650



13.0806, 20.9444, 3.1732



10.4730, 20.9444, 53.2366



28.7715, 20.9444, 74.2003

Rectangle

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



33.7774, 20.9444, 6.9650



21.3635, 20.9444, 1.7017



10.4730, 20.9444, 53.2366



18.5183, 20.9444, 89.7785

Sweetspot

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



33.7779, 20.9456, 6.9653



72.8365, 67.9775, 63.2541



44.1345, 24.0132, 64.8165



15.1039, 13.8463, 12.5488



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.



33.7779, 20.9456, 6.9653



42.7285, 23.7348, 3.9744



42.8291, 39.0480, 9.9824



13.7826, 13.8511, 14.2539



18.0260, 9.4898, 0.8816



1.2764, 0.7117, 0.0701

Inverse Universe

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



38.9102, 53.4665, 78.0809



49.9009, 69.8572, 105.4615



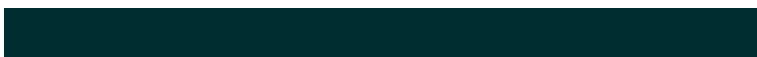
23.6657, 22.9776, 72.9994



14.0316, 15.4024, 17.6211



21.0790, 29.6275, 45.6561



1.4857, 2.1028, 3.1728

Previews

White Background



This preview shows how the XYZ color 33.7774, 20.9444, 6.9650 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 33.7774, 20.9444, 6.9650 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 33.7774, 20.9444, 6.9650

Background



This preview shows how black text looks on a background with the XYZ color 33.7774, 20.9444, 6.9650.



This preview shows how white text looks on a background with the XYZ color 33.7774, 20.9444,

6.9650.

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

33.7774, 20.9444, 6.9650

Protanopia

19.5558, 21.1761, 10.8413

Deuteranopia

21.4079, 21.1092, 6.4362



Tritanopia

34.3623, 21.0038, 9.0805

Trichromacy



Original Color

33.7774, 20.9444, 6.9650

Protanomaly

22.9608, 19.6546, 9.0621

Deuteranomaly

24.7449, 20.0198, 6.4309

Tritanomaly

34.2603, 21.0673, 8.2219

Monochromacy



Original Color

33.7774, 20.9444, 6.9650

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.5217, 17.2383, 13.5550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7774, 20.9444, 6.9650 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(223, 74, 63)` looks like.

```
.text, #text, p{  
    color:rgb(223, 74, 63)  
}
```

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(223, 74, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 74, 63) }
```

Border

The CSS property to change the border of an element to XYZ 33.7774, 20.9444, 6.9650 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(223, 74, 63) }
```


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

```
.border{ border-color:rgb(223, 74, 63) }
```

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

Here you see how a box with a 4 pixel rgb(223, 74, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 74, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 74, 63);  
box-shadow:4px 4px 4px 4px rgb(223, 74,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7774, 20.9444, 6.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 74, 63) }
```

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

```
.background{ background-color: rgb(223, 74,  
63) }
```

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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