

Converting Colors

XYZ(33.3096, 19.9712, 8.6403)

Have a look what the booklet for
XYZ(33.3096, 19.9712, 8.6403)
contains.

XYZ(33.3674, 20.0383, 8.5877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3674, 20.0383,
8.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	DE434A
RGB	222, 67, 74
RGB Percent	87%, 26%, 29%
CMY	0.1294, 0.7372, 0.7098
CMYK	0.00, 0.70, 0.67, 0.13
HSL	357°, 70%, 57%
HSV	357°, 70%, 87%
XYZ	33.3674, 20.0383, 8.5877
YIQ	114.1430, 90.1330, 35.0370

Conversions

Conversions Part 2

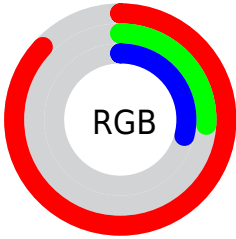
Format	Color
RYB	222, 67, 74
Decimal	14566218
CIELab	51.88, 60.13, 31.27
CIELCh	52, 67.775, 27.472
Yxy	20.0383, 0.5382, 0.3232
Android (android.graphics.Color)	4292756298 (0xFFDE434A)
YUV	114.1430, -19.7905, 94.5906
Hunter-Lab	44.7642, 54.7174, 19.9605

Details

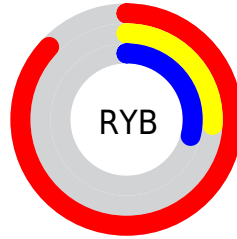
The XYZ color **33.3674, 20.0383, 8.5877** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.7035, 58.3427, 73.4121**, and the grayscale version is **16.0769, 16.9141, 18.4195**.

A 20% lighter version of the original color is **52.0228, 37.1054, 23.1590**, and **14.7315, 7.5673, 1.9125** is the 20% darker color. If you saturate the color by 10%, you get **31.6933, 17.6471, 5.0801**, and if you desaturate by 10%, it is **35.7886, 23.5392, 13.5313**.

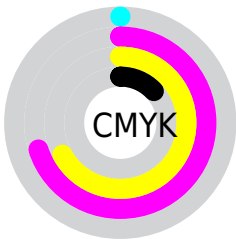
Distribution



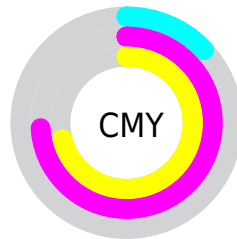
- Red (87%)
- Green (26%)
- Blue (29%)



- Red (87%)
- Yellow (26%)
- Blue (29%)



- Cyan (0%)
- Magenta (70%)
- Yellow (67%)
- Black (13%)





- Cyan (13%)
- Magenta (74%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3674, 20.0383, 8.5877 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 33.3674, 20.0383, 8.5877 by changing the saturation by 10% instead.


 33.3674, 20.0383,
8.5877


 33.3674, 20.0383,
8.5877


308.9378,
252.1224, 190.3751


 22.5686, 12.4229,
4.3801

 64.2996, 43.4814,
23.6677

 14.3942, 7.0324,
1.8361


 85.1636, 60.0779,
35.3772


 8.4789, 3.4824,
0.4516


 110.1136, 80.4368,
50.4244

 4.4573, 1.3884,
0.0000

 139.5146,
104.9426, 69.2278

 1.9639, 0.2082,
0.0000

 173.7323,
133.9797, 92.2061

 0.6136, 0.0000,
0.0000

213.1317,

 0.0000, 0.0000,

167.9324, 119.7777

0.0000

258.0785,
207.1852, 152.3612

■ 33.3674, 20.0383,
8.5877

■ 33.3674, 20.0383,
8.5877

■ 31.6933, 17.6471,
5.0801

■ 35.7886, 23.5392,
13.5313

■ 30.6781, 16.2291,
2.8540

■ 39.0289, 28.2584,
20.0420


■ 30.1855, 15.5612,
1.7115

■ 43.1536, 34.2954,
28.2372


■ 30.1789, 15.5515,
1.6987


■ 48.2209, 41.7389,
38.2228

■ 54.2840, 50.6693,
50.0959

 61.3923, 61.1615,
63.9469

 69.5917, 73.2850,
79.8602

 78.9255, 87.1053,
97.9152

 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.



35.5641, 20.0383, 23.5335



33.3674, 20.0383, 8.5877



27.0859, 20.0383, 2.9241

Triad

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



33.3674, 20.0383, 8.5877



9.9243, 20.0383, 7.1242



18.4679, 20.0383, 85.8191

Complementary

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



33.3674, 20.0383, 8.5877



40.7035, 58.3427, 73.4121

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.



12.7786, 20.0383, 71.9203



33.3674, 20.0383, 8.5877



8.6472, 20.0383, 20.1885

Square

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



33.3674, 20.0383, 8.5877



13.5694, 20.0383, 2.5077



9.5510, 20.0383, 44.3914



25.8270, 20.0383, 75.6878

Rectangle

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



33.3674, 20.0383, 8.5877



22.0635, 20.0383, 1.7921



9.5510, 20.0383, 44.3914



16.3166, 20.0383, 83.6801

Sweetspot

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



33.3679, 20.0395, 8.5880



73.1146, 67.5966, 66.2359



42.9971, 23.6232, 71.4004



15.1364, 13.7122, 13.1735



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.



33.3679, 20.0395, 8.5880



42.6118, 23.0664, 5.2764



40.0484, 33.7567, 9.7167



13.7322, 13.7105, 14.3598



17.9367, 9.2417, 1.0663



1.2522, 0.6442, 0.1211

Inverse Universe

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



33.3679, 20.0395, 8.5880



42.6118, 23.0664, 5.2764



26.7698, 29.0067, 73.2948



13.7322, 13.7105, 14.3598



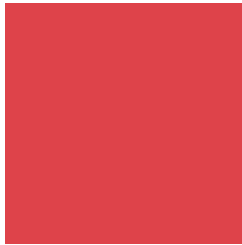
17.9367, 9.2417, 1.0663



1.2522, 0.6442, 0.1211

Previews

White Background



This preview shows how the XYZ color 33.3674, 20.0383, 8.5877 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 33.3674, 20.0383, 8.5877 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 33.3674, 20.0383, 8.5877

Background



This preview shows how black text looks on a background with the XYZ color 33.3674, 20.0383, 8.5877.



This preview shows how white text looks on a background with the XYZ color 33.3674, 20.0383,

8.5877.

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

33.3674, 20.0383, 8.5877

Protanopia

18.9918, 20.2464, 13.9733

Deuteranopia

20.4107, 20.0256, 7.9438



Tritanopia

33.3287, 20.1188, 8.0879

Trichromacy



Original Color

33.3674, 20.0383, 8.5877

Protanomaly

22.1287, 18.4044, 11.6186

Deuteranomaly

23.6675, 18.7005, 7.9924

Tritanomaly

33.3610, 20.1317, 8.2584

Monochromacy



Original Color

33.3674, 20.0383, 8.5877

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.6637, 16.2225, 13.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3674, 20.0383, 8.5877 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, 67, 74)` looks like.

```
.text, #text, p{  
    color:rgb(222, 67, 74)  
}
```

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, 67, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 67, 74) }
```

Border

The CSS property to change the border of an element to XYZ 33.3674, 20.0383, 8.5877 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, 67, 74) }
```


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

```
.border{ border-color:rgb(222, 67, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 67, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 67, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 67, 74);  
box-shadow:4px 4px 4px 4px rgb(222, 67,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3674, 20.0383, 8.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 67, 74) }
```

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

```
.background{ background-color: rgb(222, 67,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor