

Converting Colors

XYZ(33.7932, 22.0161, 6.7434)

Have a look what the booklet for
XYZ(33.7932, 22.0161, 6.7434)
contains.

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Color

**XYZ(33.8047, 22.0390,
6.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	DD543C
RGB	221, 84, 60
RGB Percent	87%, 33%, 24%
CMY	0.1333, 0.6706, 0.7647
CMYK	0.00, 0.62, 0.73, 0.13
HSL	9°, 70%, 55%
HSV	9°, 73%, 87%
XYZ	33.8047, 22.0390, 6.7472
YIQ	122.2270, 89.3560, 21.5800

Conversions

Conversions Part 2

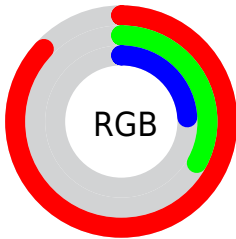
Format	Color
RYB	221, 88, 60
Decimal	14505020
CIELab	54.07, 52.24, 41.66
CIElCh	54, 66.817, 38.576
Yxy	22.0390, 0.5401, 0.3521
Android (android.graphics.Color)	4292695100 (0xFFDD543C)
YUV	122.2270, -30.6779, 86.6239
Hunter-Lab	46.9457, 46.3794, 24.3406

Details

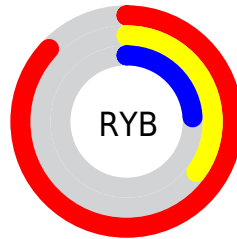
The XYZ color **33.8047, 22.0390, 6.7472** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.8790, 46.1099, 75.4679**, and the grayscale version is **18.6505, 19.6218, 21.3681**.

A 20% lighter version of the original color is **53.2329, 40.8294, 19.5432**, and **14.7250, 8.0979, 1.2024** is the 20% darker color. If you saturate the color by 10%, you get **32.0689, 19.3154, 3.8634**, and if you desaturate by 10%, it is **36.1771, 25.6461, 11.0462**.

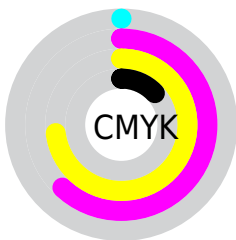
Distribution



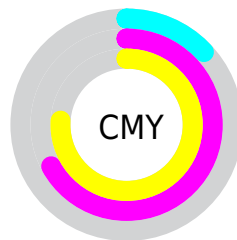
- Red (87%)
- Green (33%)
- Blue (24%)



- Red (87%)
- Yellow (35%)
- Blue (24%)



- Cyan (0%)
- Magenta (62%)
- Yellow (73%)
- Black (13%)





- Cyan (13%)
- Magenta (67%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8047, 22.0390, 6.7472 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 33.8047, 22.0390, 6.7472 by changing the saturation by 10% instead.

 33.8047, 22.0390,
6.7472


 33.8047, 22.0390,
6.7472


310.8616,
262.7499, 175.0967


 22.9058, 13.8856,
3.2285


 64.9762, 46.8104,
19.9669

 14.6443, 8.0411,
1.2124


 85.9794, 64.1972,
30.5050


 8.6548, 4.1213,
0.0000


 111.0815, 85.4306,
44.2200

 4.5720, 1.7416,
0.0000

 140.6477,
110.8949, 61.5304

 2.0306, 0.4504,
0.0000

 175.0435,
140.9746, 82.8547

 0.6510, 0.0000,
0.0000

 214.6342,

 0.0000, 0.0000,

176.0541, 108.6115

0.0000

259.7851,
216.5177, 139.2193

■ 33.8047, 22.0390,
6.7472

■ 33.8047, 22.0390,
6.7472

■ 32.0689, 19.3154,
3.8634

■ 36.1771, 25.6461,
11.0462

■ 30.9033, 17.3942,
2.2111


■ 39.2401, 30.2009,
16.9114

■ 30.3612, 16.4572,
1.5764


■ 43.0438, 35.7659,
24.4754


■ 47.6327, 42.3971,
33.8565

■ 53.0483, 50.1463,
45.1622

 59.3286, 59.0622,
58.4919

 66.5095, 69.1903,
73.9380

 74.6249, 80.5737,
91.5871

 83.0724, 92.9997,
108.1801

Harmonies

Analogous

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



37.9215, 22.0390, 18.5356



33.8047, 22.0390, 6.7472



26.4472, 22.0390, 2.7399

Triad

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



33.8047, 22.0390, 6.7472



10.4877, 22.0390, 12.1932



23.0897, 22.0390, 88.8260

Complementary

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



33.8047, 22.0390, 6.7472



34.8790, 46.1099, 75.4679

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.



16.2684, 22.0390, 83.4211



33.8047, 22.0390, 6.7472



9.9881, 22.0390, 30.4372

Square

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



33.8047, 22.0390, 6.7472



13.4192, 22.0390, 4.3883



11.8499, 22.0390, 58.3711



30.8674, 22.0390, 70.5244

Rectangle

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



33.8047, 22.0390, 6.7472



21.2949, 22.0390, 2.1445



11.8499, 22.0390, 58.3711



20.6037, 22.0390, 89.8658

Sweetspot

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



33.8052, 22.0403, 6.7476



73.9144, 70.1333, 63.6133



41.8053, 22.7522, 56.5460



15.3529, 14.3443, 12.6318



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.



33.8052, 22.0403, 6.7476



43.4784, 25.2942, 4.0406



43.5487, 41.5272, 9.9954



13.2120, 13.3633, 13.6086



17.6884, 9.6624, 0.9327



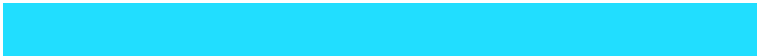
1.1965, 0.7271, 0.0773

Inverse Universe

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



34.8790, 46.1099, 75.4679



44.7816, 59.7451, 103.7795



21.5154, 19.3828, 71.0134



13.2708, 14.4814, 16.7479



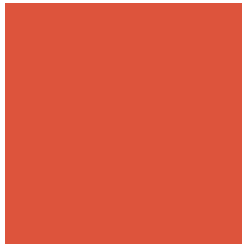
18.1000, 24.0694, 43.4303



1.2185, 1.6512, 2.8289

Previews

White Background



This preview shows how the XYZ color 33.8047, 22.0390, 6.7472 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 33.8047, 22.0390, 6.7472 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 33.8047, 22.0390, 6.7472

Background



This preview shows how black text looks on a background with the XYZ color 33.8047, 22.0390, 6.7472.



This preview shows how white text looks on a background with the XYZ color 33.8047, 22.0390,

6.7472.

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

33.8047, 22.0390, 6.7472

Protanopia

20.4080, 22.2240, 9.8707

Deuteranopia

22.3784, 21.9820, 6.1954



Tritanopia

34.7463, 22.0863, 11.2359

Trichromacy



Original Color

33.8047, 22.0390, 6.7472

Protanomaly

23.8052, 20.9104, 8.5758

Deuteranomaly

25.6629, 21.2709, 6.2431

Tritanomaly

34.4810, 22.1000, 9.4696

Monochromacy



Original Color

33.8047, 22.0390, 6.7472

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.7152, 18.8951, 14.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8047, 22.0390, 6.7472 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(221, 84, 60)` looks like.

```
.text, #text, p{  
    color:rgb(221, 84, 60)  
}
```

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(221, 84, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 84, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.8047, 22.0390, 6.7472 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(221, 84, 60) }
```


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

```
.border{ border-color:rgb(221, 84, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 84, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 84, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 84, 60);  
box-shadow:4px 4px 4px 4px rgb(221, 84,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8047, 22.0390, 6.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 84, 60) }
```

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

```
.background{ background-color: rgb(221, 84,  
60) }
```

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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