

Converting Colors

XYZ(33.2182, 22.0410, 2.9299)

Have a look what the booklet for
XYZ(33.2182, 22.0410, 2.9299)
contains.

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Color

**XYZ(33.2258, 22.0594,
2.9222)**

Conversions

Conversions Part 1

Format	Color
Hex	DD560E
RGB	221, 86, 14
RGB Percent	87%, 34%, 5%
CMY	0.1333, 0.6627, 0.9451
CMYK	0.00, 0.61, 0.94, 0.13
HSL	21°, 88%, 46%
HSV	21°, 94%, 87%
XYZ	33.2258, 22.0594, 2.9222
YIQ	118.1570, 103.5720, 6.2280

Conversions

Conversions Part 2

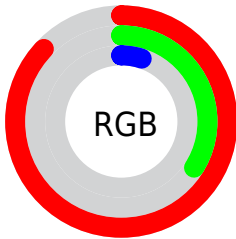
Format	Color
R _Y B	221, 124, 14
Decimal	14505486
CIE Lab	54.09, 50.11, 60.97
CIE LCh	54, 78.916, 50.582
Yxy	22.0594, 0.5708, 0.3790
Android (android.graphics.Color)	4292695566 (0xFFDD560E)
YUV	118.1570, -51.3494, 90.1933
Hunter-Lab	46.9674, 44.0818, 29.1883

Details

The XYZ color **33.2258, 22.0594, 2.9222** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **23.9789, 26.8072, 72.3164**, and the grayscale version is **17.4034, 18.3098, 19.9394**.

A 20% lighter version of the original color is **51.7236, 40.4584, 10.8775**, and **14.5399, 8.1478, 0.8063** is the 20% darker color. If you saturate the color by 10%, you get **32.4637, 20.6623, 2.2772**, and if you desaturate by 10%, it is **34.7362, 24.6953, 4.6133**.

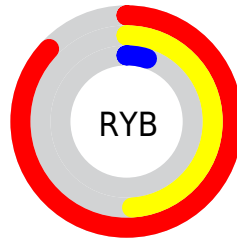
Distribution



Red (87%)

Green (34%)

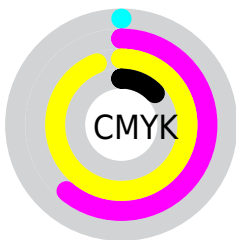
Blue (5%)



Red (87%)

Yellow (49%)

Blue (5%)

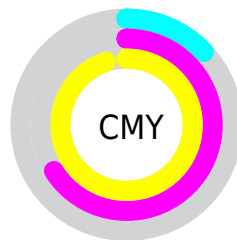


Cyan (0%)

Magenta (61%)

Yellow (94%)

Black (13%)



Cyan (13%)


Magenta (66%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2258, 22.0594, 2.9222 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 33.2258, 22.0594, 2.9222 by changing the saturation by 10% instead.


 33.2258, 22.0594,
2.9222


 33.2258, 22.0594,
2.9222


308.3130,
262.8563, 135.3635


 22.4595, 13.9006,
1.0550


 64.0802, 46.8442,
11.4359

 14.3134, 8.0515,
0.0000


 84.8991, 64.2388,
18.9194

 8.4221, 4.1279,
0.0000


 109.7995, 85.4809,
29.1122

 4.4203, 1.7454,
0.0000

 139.1469,
110.9548, 42.4328

 1.9426, 0.4528,
0.0000

 173.3066,
141.0449, 59.2997


 0.6014, 0.0000,
0.0000


 212.6440,


 0.0000, 0.0000,


176.1356, 80.1314


0.0000


 257.5243,
216.6113, 105.3465


 33.2258, 22.0594,
2.9222


 33.2258, 22.0594,
2.9222

 32.4637, 20.6623,
2.2772

 34.7362, 24.6953,
4.6133

 36.6992, 27.9031,
7.4819

 39.1604, 31.7210,
11.7073

 42.1584, 36.1824,
17.4377

 45.7275, 41.3178,
24.8015

■ 49.8985, 47.1553,
33.9132

■ 54.7003, 53.7216,
44.8770

■ 60.1593, 61.0418,
57.7887

■ 66.3007, 69.1395,
72.7377

Harmonies

Analogous

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



40.4165, 22.0594, 10.9837



33.2258, 22.0594, 2.9222



23.7720, 22.0594, 1.0816

Triad

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



33.2258, 22.0594, 2.9222



8.5760, 22.0594, 17.1124



27.2895, 22.0594, 100.4903

Complementary

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



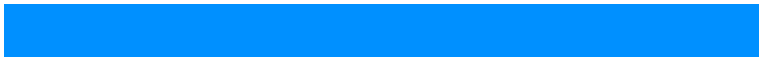
33.2258, 22.0594, 2.9222



23.9789, 26.8072, 72.3164

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.



18.3915, 22.0594, 106.7683



33.2258, 22.0594, 2.9222



9.0400, 22.0594, 44.6494

Square

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



33.2258, 22.0594, 2.9222



10.6629, 22.0594, 4.8170



12.1687, 22.0594, 81.7941



36.3936, 22.0594, 68.0001

Rectangle

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



33.2258, 22.0594, 2.9222



18.0919, 22.0594, 1.1027



12.1687, 22.0594, 81.7941



24.1312, 22.0594, 106.3202

Sweetspot

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



33.2263, 22.0607, 2.9226



72.5124, 70.0290, 54.8230



35.6432, 17.9532, 31.2929



14.9168, 14.1602, 10.3653



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.



33.2263, 22.0607, 2.9226



44.7877, 28.3554, 3.1126



47.5622, 50.7326, 7.7012



13.4246, 13.7886, 13.6795



18.9547, 12.1950, 1.3549



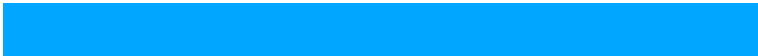
1.3070, 0.9481, 0.1141

Inverse Universe

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



23.9789, 26.8072, 72.3164



31.7403, 34.6006, 99.6134



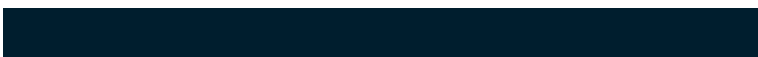
14.3099, 7.4692, 69.0934



13.0438, 14.0274, 16.6722



13.4959, 14.8612, 41.8956



0.9538, 1.1217, 2.7407

Previews

White Background



This preview shows how the XYZ color 33.2258, 22.0594, 2.9222 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 33.2258, 22.0594, 2.9222 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 33.2258, 22.0594, 2.9222

Background



This preview shows how black text looks on a background with the XYZ color 33.2258, 22.0594, 2.9222.



This preview shows how white text looks on a background with the XYZ color 33.2258, 22.0594,

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

33.2258, 22.0594, 2.9222

Protanopia

20.0345, 22.1554, 4.2574

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

34.9398, 22.0812, 11.0149

Trichromacy



Original Color

33.2258, 22.0594, 2.9222

Protanomaly

23.3957, 20.9768, 3.5749

Deuteranomaly

25.6109, 21.4771, 2.9392

Tritanomaly

33.9309, 21.8799, 6.5726

Monochromacy



Original Color

33.2258, 22.0594, 2.9222

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.1196, 17.8558, 9.9755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2258, 22.0594, 2.9222 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, 86, 14)` looks like.

```
.text, #text, p{  
    color:rgb(221, 86, 14)  
}
```

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, 86, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 86, 14) }
```

Border

The CSS property to change the border of an element to XYZ 33.2258, 22.0594, 2.9222 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, 86, 14) }
```


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

```
.border{ border-color:rgb(221, 86, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 86, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 86, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 86, 14);  
box-shadow:4px 4px 4px 4px rgb(221, 86,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2258, 22.0594, 2.9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 86, 14) }
```

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

```
.background{ background-color: rgb(221, 86,  
14) }
```

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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