

Converting Colors

XYZ(33.3687, 22.9230, 2.6658)

Have a look what the booklet for
XYZ(33.3687, 22.9230, 2.6658)
contains.

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Color

**XYZ(33.3423, 22.8699,
2.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5C00
RGB	220, 92, 0
RGB Percent	86%, 36%, 0%
CMY	0.1373, 0.6392, 1.0000
CMYK	0.00, 0.58, 1.00, 0.14
HSL	25°, 100%, 43%
HSV	25°, 100%, 86%
XYZ	33.3423, 22.8699, 2.6570
YIQ	119.7840, 105.8200, -1.4760

Conversions

Conversions Part 2

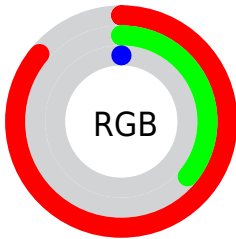
Format	Color
R _Y B	220, 158, 0
Decimal	14441472
CIE Lab	54.94, 46.86, 64.30
CIE LCh	55, 79.564, 53.912
Yxy	22.8699, 0.5664, 0.3885
Android (android.graphics.Color)	4292631552 (0xFFDC5C00)
YUV	119.7840, -59.0535, 87.8894
Hunter-Lab	47.8225, 40.7626, 30.1816

Details

The XYZ color **33.3423, 22.8699, 2.6570** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **20.6369, 20.6046, 70.5989**, and the grayscale version is **17.9436, 18.8781, 20.5582**.

A 20% lighter version of the original color is **52.4443, 42.1879, 10.2295**, and **14.5977, 8.5543, 0.8818** is the 20% darker color. If you saturate the color by 10%, you get **33.3425, 22.8707, 2.6571**, and if you desaturate by 10%, it is **34.6918, 25.3374, 3.8215**.

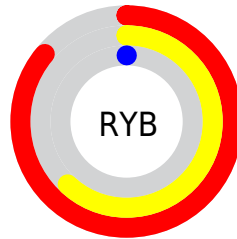
Distribution



Red (86%)

Green (36%)

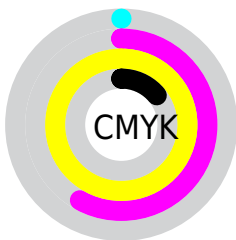
Blue (0%)



Red (86%)

Yellow (62%)

Blue (0%)

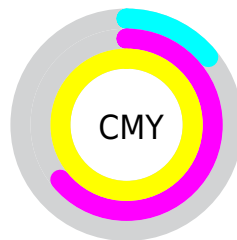


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3423, 22.8699, 2.6570 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 33.3423, 22.8699, 2.6570 by changing the saturation by 10% instead.


 33.3423, 22.8699,
2.6570


 33.3423, 22.8699,
2.6570


308.8271,
267.0561, 131.8644


 22.5493, 14.4975,
0.9217


 64.2607, 48.1796,
10.7696

 14.3799, 8.4675,
0.0000


 85.1168, 65.8857,
17.9847


 8.4688, 4.3955,
0.0000


 110.0579, 87.4718,
27.8635

 4.4507, 1.8972,
0.0000

 139.4495,
113.3223, 40.8248

 1.9601, 0.5467,
0.0000

 173.6568,
143.8215, 57.2869


 0.6114, 0.0000,
0.0000


 213.0453,


 0.0000, 0.0000,


179.3540, 77.6686


0.0000


 257.9803,
220.3040, 102.3882


 33.3423, 22.8699,
2.6570


 33.3423, 22.8699,
2.6570


 33.3425, 22.8707,
2.6571

 34.6918, 25.3374,
3.8215

 36.4019, 28.2619,
5.9199

 38.5352, 31.6825,
9.2393

 41.1299, 35.6269,
13.9424

 44.2190, 40.1200,
20.1665

■ 47.8317, 45.1848,
28.0320

■ 51.9950, 50.8426,
37.6470

■ 56.7335, 57.1136,
49.1104

■ 62.0704, 64.0168,
62.5137

Harmonies

Analogous

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



41.2319, 22.8699, 9.9409



33.3423, 22.8699, 2.6570



23.5869, 22.8699, 1.0967

Triad

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



33.3423, 22.8699, 2.6570



8.8534, 22.8699, 20.0949



29.3661, 22.8699, 100.9837

Complementary

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



33.3423, 22.8699, 2.6570



20.6369, 20.6046, 70.5989

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.



19.9868, 22.8699, 111.2218



33.3423, 22.8699, 2.6570



9.6224, 22.8699, 50.2499

Square

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



33.3423, 22.8699, 2.6570



10.7059, 22.8699, 5.8440



13.1959, 22.8699, 88.4361



38.5353, 22.8699, 65.8955

Rectangle

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



33.3423, 22.8699, 2.6570



17.9073, 22.8699, 1.2467



13.1959, 22.8699, 88.4361



26.0775, 22.8699, 108.1280

Sweetspot

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



33.3428, 22.8712, 2.6574



72.4946, 70.8314, 52.2341



33.4333, 16.7830, 22.0151



14.9687, 14.4214, 9.8977



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.



33.3428, 22.8712, 2.6574



46.4605, 31.7010, 3.6702



50.5572, 57.3001, 8.3955



13.5013, 13.9419, 13.7050



19.6731, 13.6318, 1.5943



1.3584, 1.0509, 0.1313

Inverse Universe

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



20.6369, 20.6046, 70.5989



28.6960, 28.5121, 98.5987



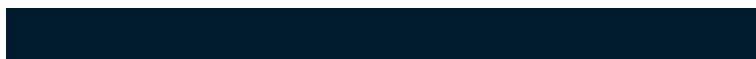
13.1400, 5.6109, 68.1000



12.9648, 13.8694, 16.6459



12.2239, 12.3173, 41.4716



0.8764, 0.9668, 2.7149

Previews

White Background



This preview shows how the XYZ color 33.3423, 22.8699, 2.6570 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 33.3423, 22.8699, 2.6570 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 33.3423, 22.8699, 2.6570

Background



This preview shows how black text looks on a background with the XYZ color 33.3423, 22.8699, 2.6570.



This preview shows how white text looks on a background with the XYZ color 33.3423, 22.8699,

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

33.3423, 22.8699, 2.6570

Protanopia

20.7810, 22.9462, 4.0433

Deuteranopia

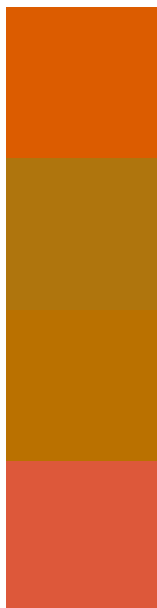
23.2700, 22.8827, 3.1903



Tritanopia

35.3403, 22.9405, 12.4628

Trichromacy



Original Color

33.3423, 22.8699, 2.6570

Protanomaly

24.1131, 21.8656, 3.3304

Deuteranomaly

26.1548, 22.2494, 2.9160

Tritanomaly

34.0722, 22.6571, 6.5804

Monochromacy



Original Color

33.3423, 22.8699, 2.6570

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5907, 18.7416, 9.3697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3423, 22.8699, 2.6570 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(220, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 92, 0)  
}
```

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(220, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3423, 22.8699, 2.6570 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(220, 92, 0) }
```


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

```
.border{ border-color:rgb(220, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(220, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3423, 22.8699, 2.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 92, 0) }
```

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

```
.background{ background-color: rgb(220, 92,  
0) }
```

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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