

Converting Colors

XYZ(33.3645, 23.0644, 3.1547)

Have a look what the booklet for
XYZ(33.3645, 23.0644, 3.1547)
contains.

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Color

**XYZ(33.2140, 22.9233,
3.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5D0F
RGB	219, 93, 15
RGB Percent	86%, 36%, 6%
CMY	0.1412, 0.6353, 0.9412
CMYK	0.00, 0.58, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.2140, 22.9233, 3.1260
YIQ	121.7820, 100.1340, 2.4540

Conversions

Conversions Part 2

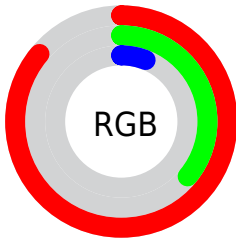
Format	Color
R _Y B	219, 141, 15
Decimal	14376207
CIE Lab	54.99, 46.17, 61.16
CIE LCh	55, 76.634, 52.949
Yxy	22.9233, 0.5604, 0.3868
Android (android.graphics.Color)	4292566287 (0xFFDB5D0F)
YUV	121.7820, -52.6435, 85.2602
Hunter-Lab	47.8783, 40.0416, 29.6437

Details

The XYZ color **33.2140, 22.9233, 3.1260** 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 **22.5072, 24.2642, 70.5145**, and the grayscale version is **18.5720, 19.5392, 21.2781**.

A 20% lighter version of the original color is **52.8110, 42.5824, 11.3970**, and **14.4358, 8.5190, 0.8835** is the 20% darker color. If you saturate the color by 10%, you get **32.3635, 21.3606, 2.4173**, and if you desaturate by 10%, it is **34.7548, 25.6114, 4.8541**.

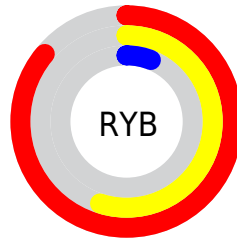
Distribution



Red (86%)

Green (36%)

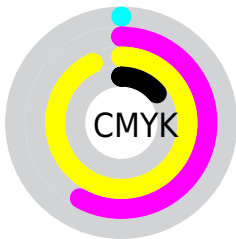
Blue (6%)



Red (86%)

Yellow (55%)

Blue (6%)

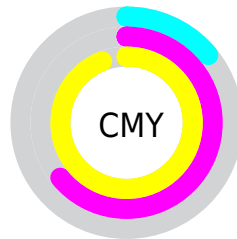


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2140, 22.9233, 3.1260 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 33.2140, 22.9233, 3.1260 by changing the saturation by 10% instead.

 33.2140, 22.9233,
3.1260


 33.2140, 22.9233,
3.1260


308.2609,
267.3308, 137.9496

 22.4505, 14.5369,
1.1593


 64.0619, 48.2674,
11.9378


 14.3067, 8.4950,
0.0000


 84.8770, 65.9938,
19.6200

 8.4174, 4.4133,
0.0000


 109.7734, 87.6023,
30.0445

 4.4172, 1.9073,
0.0000

 139.1163,
113.4774, 43.6297

 1.9408, 0.5528,
0.0000

 173.2711,
144.0034, 60.7943

 0.6004, 0.0000,
0.0000

 212.6033,

 0.0000, 0.0000,

179.5647, 81.9568

0.0000

257.4781,
220.5457, 107.5357

33.2140, 22.9233,
3.1260

33.2140, 22.9233,
3.1260

32.3635, 21.3606,
2.4173

34.7548, 25.6114,
4.8541

36.7212, 28.8210,
7.7386

39.1552, 32.5854,
11.9524

42.0925, 36.9333,
17.6382

45.5647, 41.8910,
24.9204

■ 49.6004, 47.4829,
33.9098

■ 54.2261, 53.7319,
44.7074

■ 59.4663, 60.6598,
57.4060

■ 65.3441, 68.2872,
72.0923

Harmonies

Analogous

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



40.6051, 22.9233, 10.7796



33.2140, 22.9233, 3.1260



23.8598, 22.9233, 1.3550

Triad

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



33.2140, 22.9233, 3.1260



9.2456, 22.9233, 19.6357



28.8140, 22.9233, 97.8017

Complementary

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



33.2140, 22.9233, 3.1260



22.5072, 24.2642, 70.5145

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.



19.8396, 22.9233, 106.3818



33.2140, 22.9233, 3.1260



9.9232, 22.9233, 48.0640

Square

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



33.2140, 22.9233, 3.1260



11.1608, 22.9233, 6.0285



13.3383, 22.9233, 84.1841



37.6373, 22.9233, 65.2020

Rectangle

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



33.2140, 22.9233, 3.1260



18.3219, 22.9233, 1.4787



13.3383, 22.9233, 84.1841



25.6656, 22.9233, 104.1952

Sweetspot

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



33.2145, 22.9246, 3.1264



73.1198, 71.2439, 55.0255



34.4335, 17.4215, 28.0140



15.0603, 14.4473, 10.4132



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.



33.2145, 22.9246, 3.1264



45.5618, 29.9035, 3.3706



48.1051, 52.7059, 8.0899



13.4621, 13.8636, 13.6920



19.2883, 12.8621, 1.4660



1.3313, 0.9967, 0.1222

Inverse Universe

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



22.5072, 24.2642, 70.5145



30.1904, 31.5008, 99.0968



13.8183, 6.8864, 67.6182



13.0050, 13.9497, 16.6593



12.8492, 13.5678, 41.6800



0.9147, 1.0436, 2.7277

Previews

White Background



This preview shows how the XYZ color 33.2140, 22.9233, 3.1260 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 33.2140, 22.9233, 3.1260 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 33.2140, 22.9233, 3.1260

Background



This preview shows how black text looks on a background with the XYZ color 33.2140, 22.9233, 3.1260.



This preview shows how white text looks on a background with the XYZ color 33.2140, 22.9233,

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

33.2140, 22.9233, 3.1260

Protanopia

20.9798, 23.2438, 4.4176

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

35.1588, 22.9612, 12.7041

Trichromacy



Original Color

33.2140, 22.9233, 3.1260

Protanomaly

24.0886, 22.0174, 3.7908

Deuteranomaly

26.1822, 22.2603, 3.0603

Tritanomaly

34.0130, 22.7306, 7.4452

Monochromacy



Original Color

33.2140, 22.9233, 3.1260

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.1504, 19.1615, 10.7674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2140, 22.9233, 3.1260 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(219, 93, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 15)  
}
```

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(219, 93, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.2140, 22.9233, 3.1260 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(219, 93, 15) }
```


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

```
.border{ border-color:rgb(219, 93, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 93, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2140, 22.9233, 3.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 93, 15) }
```

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

```
.background{ background-color: rgb(219, 93,  
15) }
```

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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