

Converting Colors

XYZ(33.2175, 20.9543, 2.5459)

Have a look what the booklet for
XYZ(33.2175, 20.9543, 2.5459)
contains.

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Color

**XYZ(33.0652, 20.8766,
2.5453)**

Conversions

Conversions Part 1

Format	Color
Hex	DF4C09
RGB	223, 76, 9
RGB Percent	87%, 30%, 4%
CMY	0.1255, 0.7019, 0.9647
CMYK	0.00, 0.66, 0.96, 0.13
HSL	19°, 92%, 45%
HSV	19°, 96%, 87%
XYZ	33.0652, 20.8766, 2.5453
YIQ	112.3150, 109.1190, 10.3270

Conversions

Conversions Part 2

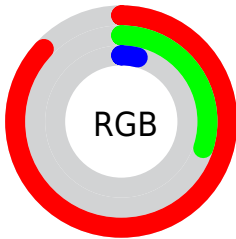
Format	Color
RYB	223, 107, 9
Decimal	14633993
CIELab	52.81, 55.04, 61.46
CIElCh	53, 82.502, 48.154
Yxy	20.8766, 0.5854, 0.3696
Android (android.graphics.Color)	4292824073 (0xFFDF4C09)
YUV	112.3150, -50.9343, 97.0707
Hunter-Lab	45.6909, 49.2162, 28.6808

Details

The XYZ color **33.0652, 20.8766, 2.5453** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.3192, 29.1604, 74.1056**, and the grayscale version is **15.6176, 16.4310, 17.8933**.

A 20% lighter version of the original color is **50.3397, 37.8859, 9.8138**, and **14.3741, 7.5229, 0.6945** is the 20% darker color. If you saturate the color by 10%, you get **32.6104, 20.0464, 2.1506**, and if you desaturate by 10%, it is **34.4517, 23.3266, 4.0041**.

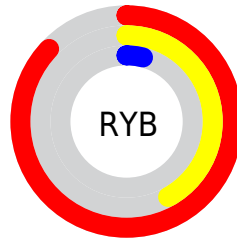
Distribution



Red (87%)

Green (30%)

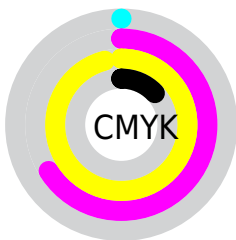
Blue (4%)



Red (87%)

Yellow (42%)

Blue (4%)

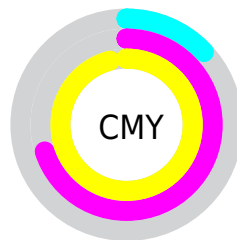


Cyan (0%)

Magenta (66%)

Yellow (96%)

Black (13%)



Cyan (13%)


Magenta (70%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0652, 20.8766, 2.5453 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 33.0652, 20.8766, 2.5453 by changing the saturation by 10% instead.


 33.0652, 20.8766,
2.5453


 33.0652, 20.8766,
2.5453


307.6032,
256.6220, 130.3402


 22.3359, 13.0338,
0.8640


 63.8313, 44.8821,
10.4842

 14.2219, 7.4518,
0.0000


 84.5988, 61.8136,
17.5823

 8.3579, 3.7463,
0.0000


 109.4430, 82.5434,
27.3242

 4.3785, 1.5327,
0.0000

 138.7294,
107.4560, 40.1285

 1.9184, 0.3115,
0.0000

 172.8233,
136.9358, 56.4137

 0.5875, 0.0000,
0.0000


 212.0899,


 0.0000, 0.0000,


171.3671, 76.5984


0.0000


 256.8948,
211.1344, 101.1010

 33.0652, 20.8766,
2.5453


 33.0652, 20.8766,
2.5453


 32.6104, 20.0464,
2.1506

 34.4517, 23.3266,
4.0041

 36.3085, 26.3919,
6.6219

 38.6872, 30.1181,
10.5942

 41.6309, 34.5444,
16.0793

 45.1773, 39.7069,
23.2130

■ 49.3610, 45.6387,
32.1161

■ 54.2134, 52.3708,
42.8978

■ 59.7639, 59.9326,
55.6586

■ 66.0398, 68.3517,
70.4915

Harmonies

Analogous

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



40.1007, 20.8766, 10.9264



33.0652, 20.8766, 2.5453



23.4394, 20.8766, 0.7211

Triad

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



33.0652, 20.8766, 2.5453



7.6488, 20.8766, 14.3200



25.4614, 20.8766, 104.1211

Complementary

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



33.0652, 20.8766, 2.5453



25.3192, 29.1604, 74.1056

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.



16.6339, 20.8766, 107.8903



33.0652, 20.8766, 2.5453



7.9012, 20.8766, 40.9376

Square

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



33.0652, 20.8766, 2.5453



9.8874, 20.8766, 3.5022



10.7194, 20.8766, 79.5137



34.9092, 20.8766, 71.3114

Rectangle

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



33.0652, 20.8766, 2.5453



17.5856, 20.8766, 0.6565



10.7194, 20.8766, 79.5137



22.2848, 20.8766, 109.3958

Sweetspot

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



33.0656, 20.8778, 2.5456



71.2273, 67.8816, 53.0913



36.7696, 18.3796, 34.3199



14.6442, 13.6944, 10.0298



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.



33.0656, 20.8778, 2.5456



44.0974, 26.9747, 2.8825



46.8422, 48.4310, 7.1378



14.0557, 14.3973, 14.3449



19.2638, 11.9655, 1.2943



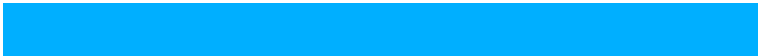
1.4135, 0.9859, 0.1158

Inverse Universe

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



25.3192, 29.1604, 74.1056



33.4101, 37.9402, 100.1700



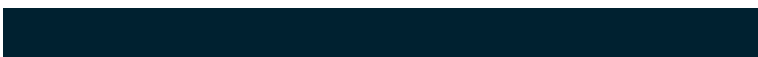
14.6511, 7.8242, 70.5495



13.7357, 14.8104, 17.5224



14.6515, 16.7725, 43.5136



1.0945, 1.3204, 3.0424

Previews

White Background



This preview shows how the XYZ color 33.0652, 20.8766, 2.5453 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 33.0652, 20.8766, 2.5453 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 33.0652, 20.8766, 2.5453

Background



This preview shows how black text looks on a background with the XYZ color 33.0652, 20.8766, 2.5453.



This preview shows how white text looks on a background with the XYZ color 33.0652, 20.8766,

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

33.0652, 20.8766, 2.5453

Protanopia

19.0925, 21.0886, 3.9839

Deuteranopia

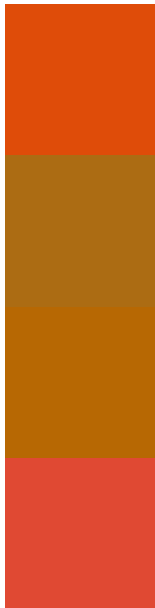
21.2137, 20.9065, 2.9173



Tritanopia

34.2637, 20.8618, 8.8774

Trichromacy



Original Color

33.0652, 20.8766, 2.5453

Protanomaly

22.4934, 19.5428, 3.2027

Deuteranomaly

24.4952, 19.9745, 2.6506

Tritanomaly

33.7206, 20.8514, 5.3794

Monochromacy



Original Color

33.0652, 20.8766, 2.5453

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.6807, 16.1071, 8.7810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0652, 20.8766, 2.5453 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(223, 76, 9)` looks like.

```
.text, #text, p{  
    color:rgb(223, 76, 9)  
}
```

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(223, 76, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 76, 9) }
```

Border

The CSS property to change the border of an element to XYZ 33.0652, 20.8766, 2.5453 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(223, 76, 9) }
```


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

```
.border{ border-color:rgb(223, 76, 9) }
```

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

Here you see how a box with a 4 pixel rgb(223, 76, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 76, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 76, 9);  
box-shadow:4px 4px 4px 4px rgb(223, 76, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0652, 20.8766, 2.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 76, 9) }
```

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

```
.background{ background-color: rgb(223, 76,  
9) }
```

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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