

Converting Colors

XYZ(30.7776, 20.3015, 2.2964)

Have a look what the booklet for
XYZ(30.7776, 20.3015, 2.2964)
contains.

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Color

**XYZ(30.7488, 20.3307,
2.3036)**

Conversions

Conversions Part 1

Format	Color
Hex	D65200
RGB	214, 82, 0
RGB Percent	84%, 32%, 0%
CMY	0.1608, 0.6784, 1.0000
CMYK	0.00, 0.62, 1.00, 0.16
HSL	23°, 100%, 42%
HSV	23°, 100%, 84%
XYZ	30.7488, 20.3307, 2.3036
YIQ	112.1200, 104.9940, 2.4820

Conversions

Conversions Part 2

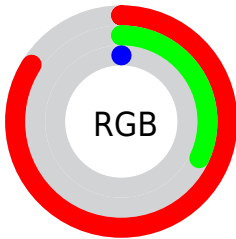
Format	Color
RYB	214, 133, 0
Decimal	14045696
CIELab	52.21, 49.24, 62.29
CIELCh	52, 79.397, 51.674
Yxy	20.3307, 0.5760, 0.3808
Android (android.graphics.Color)	4292235776 (0xFFD65200)
YUV	112.1200, -55.2752, 89.3488
Hunter-Lab	45.0896, 42.8212, 28.5336

Details

The XYZ color **30.7488, 20.3307, 2.3036** 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 **20.3882, 21.3563, 66.6653**, and the grayscale version is **15.5731, 16.3841, 17.8423**.

A 20% lighter version of the original color is **50.9137, 39.2161, 9.4435**, and **13.1101, 7.2746, 0.7132** is the 20% darker color. If you saturate the color by 10%, you get **30.7490, 20.3314, 2.3037**, and if you desaturate by 10%, it is **31.9814, 22.5736, 3.4008**.

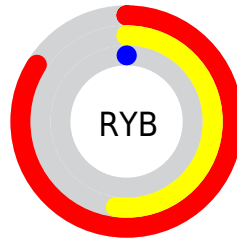
Distribution



Red (84%)

Green (32%)

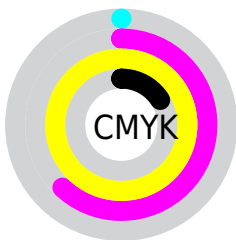
Blue (0%)



Red (84%)

Yellow (52%)

Blue (0%)

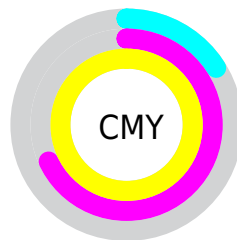


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7488, 20.3307, 2.3036 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 30.7488, 20.3307, 2.3036 by changing the saturation by 10% instead.


 30.7488, 20.3307,
2.3036


 30.7488, 20.3307,
2.3036


297.2270,
253.6998, 126.9260


 20.5585, 12.6357,
0.7332


 60.2229, 43.9709,
9.8553

 12.9123, 7.1781,
0.0000


 80.2374, 60.6849,
16.6918


 7.4448, 3.5738,
0.0000


 104.2575, 81.1740,
26.1266

 3.7906, 1.4381,
0.0000

 132.6483,
105.8226, 38.5784

 1.5843, 0.2446,
0.0000

 165.7753,
135.0151, 54.4657

 0.3822, 0.0000,
0.0000


 204.0038,


 0.0000, 0.0000,


169.1358, 74.2070


0.0000


 247.6993,
208.5693, 98.2210


 30.7488, 20.3307,
2.3036


 30.7488, 20.3307,
2.3036


 30.7490, 20.3314,
2.3037

 31.9814, 22.5736,
3.4008

 33.5694, 25.2802,
5.3770

 35.5738, 28.4911,
8.5055

 38.0320, 32.2354,
12.9383

 40.9761, 36.5391,
18.8042

■ 44.4349, 41.4265,
26.2160

■ 48.4348, 46.9202,
35.2753

■ 53.0000, 53.0413,
46.0748

■ 58.1535, 59.8100,
58.7003

Harmonies

Analogous

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



37.8288, 20.3307, 9.3635



30.7488, 20.3307, 2.3036



21.6805, 20.3307, 0.8009

Triad

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



30.7488, 20.3307, 2.3036



7.6039, 20.3307, 16.2582



25.7014, 20.3307, 95.4108

Complementary

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



30.7488, 20.3307, 2.3036



20.3882, 21.3563, 66.6653

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.



17.1442, 20.3307, 102.7342



30.7488, 20.3307, 2.3036



8.1209, 20.3307, 43.1675

Square

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



30.7488, 20.3307, 2.3036



9.4604, 20.3307, 4.3488



11.1504, 20.3307, 79.2281



34.3909, 20.3307, 63.2065

Rectangle

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



30.7488, 20.3307, 2.3036



16.3259, 20.3307, 0.8572



11.1504, 20.3307, 79.2281



22.6677, 20.3307, 101.4738

Sweetspot

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



30.7492, 20.3319, 2.3039



71.8370, 69.5161, 52.0149



32.1422, 16.0605, 24.5254



14.8146, 14.1132, 9.8464



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.



30.7492, 20.3319, 2.3039



45.5813, 29.9425, 3.3771



45.1780, 49.1894, 7.1135



12.8095, 13.1932, 13.0321



18.6793, 12.4759, 1.4236



1.2055, 0.9102, 0.1121

Inverse Universe

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



20.3882, 21.3563, 66.6653



30.1549, 31.4297, 99.0850



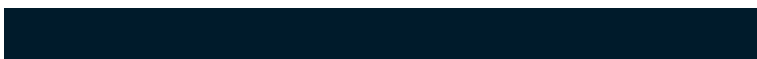
12.5657, 5.7113, 64.0578



12.3740, 13.2713, 15.8470



12.4267, 13.1152, 40.3297



0.8285, 0.9489, 2.4588

Previews

White Background



This preview shows how the XYZ color 30.7488, 20.3307, 2.3036 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 30.7488, 20.3307, 2.3036 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 30.7488, 20.3307, 2.3036

Background



This preview shows how black text looks on a background with the XYZ color 30.7488, 20.3307, 2.3036.



This preview shows how white text looks on a background with the XYZ color 30.7488, 20.3307,

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

30.7488, 20.3307, 2.3036

Protanopia

18.5807, 20.6386, 3.7138

Deuteranopia

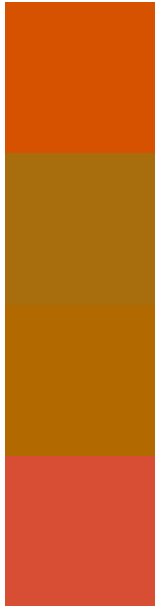
20.6974, 20.4628, 2.8588



Tritanopia

32.3885, 20.3619, 10.0078

Trichromacy



Original Color

30.7488, 20.3307, 2.3036

Protanomaly

21.7970, 19.5058, 2.9969

Deuteranomaly

23.5141, 19.7730, 2.5772

Tritanomaly

31.3686, 20.1438, 5.4836

Monochromacy



Original Color

30.7488, 20.3307, 2.3036

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.1854, 16.1519, 8.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7488, 20.3307, 2.3036 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(214, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 82, 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(214, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.7488, 20.3307, 2.3036 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(214, 82, 0) }
```


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

```
.border{ border-color:rgb(214, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.7488, 20.3307, 2.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 82, 0) }
```

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

```
.background{ background-color: rgb(214, 82,  
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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