

Converting Colors

XYZ(30.8168, 20.3541, 4.5241)

Have a look what the booklet for
XYZ(30.8168, 20.3541, 4.5241)
contains.

XYZ(30.8758, 20.3479, 4.4907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8758, 20.3479,
4.4907)**

Conversions

Conversions Part 1

Format	Color
Hex	D5522A
RGB	213, 82, 42
RGB Percent	84%, 32%, 16%
CMY	0.1647, 0.6784, 0.8353
CMYK	0.00, 0.61, 0.80, 0.16
HSL	14°, 67%, 50%
HSV	14°, 80%, 84%
XYZ	30.8758, 20.3479, 4.4907
YIQ	116.6090, 90.9160, 15.3320

Conversions

Conversions Part 2

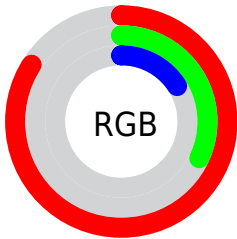
Format	Color
R_{YB}	213, 94, 42
Decimal	13980202
CIE _{Lab}	52.23, 49.63, 48.53
CIE _{LCh}	52, 69.414, 44.363
Yxy	20.3479, 0.5542, 0.3652
Android (android.graphics.Color)	4292170282 (0xFFD5522A)
YUV	116.6090, -36.7822, 84.5349
Hunter-Lab	45.1086, 43.2389, 25.6736

Details

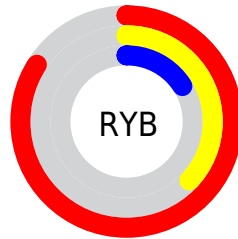
The XYZ color **30.8758, 20.3479, 4.4907** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **27.9072, 35.1806, 68.2700**, and the grayscale version is **16.8789, 17.7579, 19.3383**.

A 20% lighter version of the original color is **51.9325, 39.6236, 14.8085**, and **13.0891, 7.2326, 0.7062** is the 20% darker color. If you saturate the color by 10%, you get **29.5032, 18.0596, 2.6259**, and if you desaturate by 10%, it is **32.7442, 23.3046, 7.5193**.

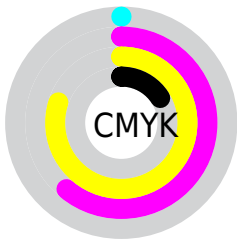
Distribution



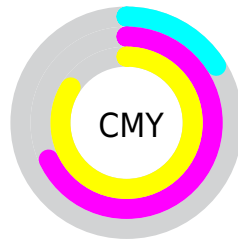
- Red (84%)
- Green (32%)
- Blue (16%)



- Red (84%)
- Yellow (37%)
- Blue (16%)



- Cyan (0%)
- Magenta (61%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (68%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8758, 20.3479, 4.4907 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 30.8758, 20.3479, 4.4907 by changing the saturation by 10% instead.


 30.8758, 20.3479,
4.4907


 30.8758, 20.3479,
4.4907


297.8028,
253.7923, 153.5326


 20.6557, 12.6482,
1.8982


 60.4217, 43.9997,
15.1265

 12.9836, 7.1867,
0.4916


 80.4781, 60.7206,
24.0069

 7.4941, 3.5792,
0.0000


 104.5440, 81.2173,
35.8204

 3.8221, 1.4411,
0.0000

 132.9847,
105.8742, 50.9855

 1.6020, 0.2467,
0.0000

 166.1655,
135.0758, 69.9207

 0.3937, 0.0000,
0.0000

 204.4520,

 0.0000, 0.0000,

169.2064, 93.0446

0.0000

248.2093,
208.6505, 120.7757

■ 30.8758, 20.3479,
4.4907

■ 30.8758, 20.3479,
4.4907

■ 29.5032, 18.0596,
2.6259

■ 32.7442, 23.3046,
7.5193


■ 28.5739, 16.4130,
1.6620


■ 35.1542, 26.9755,
11.8655


■ 38.1474, 31.4059,
17.6601


■ 41.7608, 36.6366,
25.0180

■ 46.0279, 42.7049,
34.0423

 50.9799, 49.6461,
44.8273

 56.6460, 57.4932,
57.4602

 63.0536, 66.2776,
72.0224

 70.2286, 76.0292,
88.5904

Harmonies

Analogous

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



35.8714, 20.3479, 13.7809



30.8758, 20.3479, 4.4907



23.2712, 20.3479, 1.7832

Triad

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



30.8758, 20.3479, 4.4907



8.9227, 20.3479, 13.1761



22.9400, 20.3479, 86.0077

Complementary

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



30.8758, 20.3479, 4.4907



27.9072, 35.1806, 68.2700

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.



15.8786, 20.3479, 85.4513



30.8758, 20.3479, 4.4907



8.8757, 20.3479, 33.3781

Square

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



30.8758, 20.3479, 4.4907



11.2581, 20.3479, 4.2812



11.1086, 20.3479, 62.4487



30.5826, 20.3479, 63.6875

Rectangle

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



30.8758, 20.3479, 4.4907



18.3169, 20.3479, 1.5452



11.1086, 20.3479, 62.4487



20.4007, 20.3479, 88.7843

Sweetspot

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



30.8763, 20.3491, 4.4910



73.5399, 70.3156, 60.6175



35.8209, 18.8231, 41.3311



15.1735, 14.2547, 11.7421



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.



30.8763, 20.3491, 4.4910



43.3313, 25.3532, 2.9028



41.7504, 42.0974, 8.1158



12.6567, 12.8877, 12.9812



17.5198, 10.1568, 1.0371



1.1211, 0.7414, 0.0840

Inverse Universe

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



27.9072, 35.1806, 68.2700



38.3092, 47.5489, 101.7665



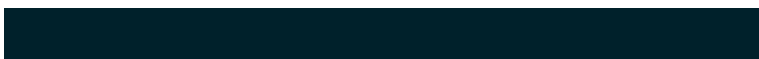
16.4221, 12.2104, 64.4417



12.5345, 13.5923, 15.9005



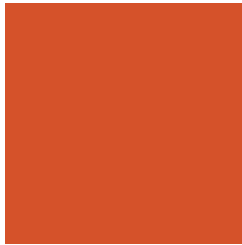
15.4363, 19.1343, 41.3329



0.9921, 1.2763, 2.5134

Previews

White Background



This preview shows how the XYZ color 30.8758, 20.3479, 4.4907 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 30.8758, 20.3479, 4.4907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

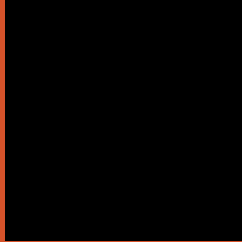
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8758, 20.3479, 4.4907

Background



This preview shows how black text looks on a background with the XYZ color 30.8758, 20.3479, 4.4907.



This preview shows how white text looks on a background with the XYZ color 30.8758, 20.3479,

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

30.8758, 20.3479, 4.4907

Protanopia

18.6469, 20.4225, 6.4492

Deuteranopia

20.7358, 20.4555, 4.0837



Tritanopia

31.9789, 20.3541, 10.2259

Trichromacy



Original Color

30.8758, 20.3479, 4.4907

Protanomaly

21.7702, 19.2746, 5.5906

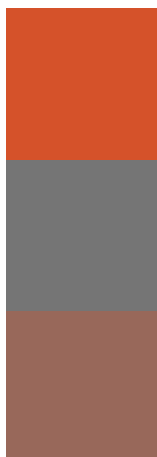
Deuteranomaly

23.5742, 19.7707, 4.0870

Tritanomaly

31.5407, 20.2934, 7.5648

Monochromacy



Original Color

30.8758, 20.3479, 4.4907

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.7447, 17.3142, 11.9742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8758, 20.3479, 4.4907 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(213, 82, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 82, 42)  
}
```

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(213, 82, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 82, 42) }
```

Border

The CSS property to change the border of an element to XYZ 30.8758, 20.3479, 4.4907 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(213, 82, 42) }
```


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

```
.border{ border-color:rgb(213, 82, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 82, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 82, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 82, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 82,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8758, 20.3479, 4.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 82, 42) }
```

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

```
.background{ background-color: rgb(213, 82,  
42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor