

Converting Colors

XYZ(32.2011, 21.4763, 5.3539)

Have a look what the booklet for
XYZ(32.2011, 21.4763, 5.3539)
contains.

XYZ(32.2011, 21.4763, 5.3539)	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(32.2011, 21.4763,
5.3539)**

Conversions

Conversions Part 1

Format	Color
Hex	D85631
RGB	216, 86, 49
RGB Percent	85%, 34%, 19%
CMY	0.1529, 0.6627, 0.8078
CMYK	0.00, 0.60, 0.77, 0.15
HSL	13°, 68%, 52%
HSV	13°, 77%, 85%
XYZ	32.2011, 21.4763, 5.3539
YIQ	120.6520, 89.3570, 16.0530

Conversions

Conversions Part 2

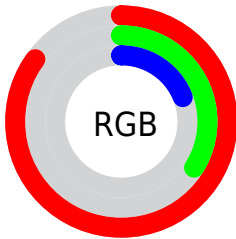
Format	Color
R _Y B	216, 97, 49
Decimal	14177841
CIE Lab	53.47, 49.14, 46.50
CIE LCh	53, 67.650, 43.421
Yxy	21.4763, 0.5455, 0.3638
Android (android.graphics.Color)	4292367921 (0xFFD85631)
YUV	120.6520, -35.3244, 83.6202
Hunter-Lab	46.3425, 42.9313, 25.5901

Details

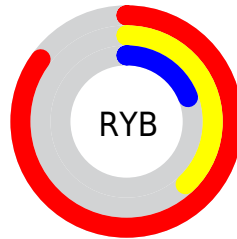
The XYZ color **32.2011, 21.4763, 5.3539** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.7798, 37.8479, 70.7011**, and the grayscale version is **18.1527, 19.0981, 20.7978**.

A 20% lighter version of the original color is **52.8227, 40.8980, 16.6653**, and **13.7907, 7.7986, 0.7784** is the 20% darker color. If you saturate the color by 10%, you get **30.6614, 18.9601, 3.1051**, and if you desaturate by 10%, it is **34.2758, 24.7137, 8.8581**.

Distribution



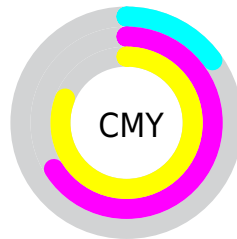
- Red (85%)
- Green (34%)
- Blue (19%)



- Red (85%)
- Yellow (38%)
- Blue (19%)



- Cyan (0%)
- Magenta (60%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (66%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2011, 21.4763, 5.3539 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 32.2011, 21.4763, 5.3539 by changing the saturation by 10% instead.

 32.2011, 21.4763,
5.3539


 32.2011, 21.4763,
5.3539


303.7633,
259.7990, 162.2584


 21.6714, 13.4726,
2.3940


 62.4893, 45.8789,
17.0282

 13.7309, 7.7548,
0.7832


 82.9785, 63.0466,
26.5798


 8.0142, 3.9384,
0.0000


 107.5183, 84.0377,
39.1657

 4.1559, 1.6392,
0.0000

 136.4741,
109.2367, 55.2044

 1.7907, 0.3838,
0.0000

 170.2111,
139.0279, 75.1144

 0.5121, 0.0000,
0.0000

 209.0947,

 0.0000, 0.0000,

173.7958, 99.3145

0.0000

253.4904,
213.9247, 128.2229

■ 32.2011, 21.4763,
5.3539

■ 32.2011, 21.4763,
5.3539

■ 30.6614, 18.9601,
3.1051

■ 34.2758, 24.7137,
8.8581

■ 29.5956, 17.1017,
1.9077


■ 36.9320, 28.7204,
13.7685


■ 29.3702, 16.7018,
1.6758


■ 40.2121, 33.5441,
20.2156


■ 44.1543, 39.2277,
28.3145

■ 48.7934, 45.8108,
38.1695

 54.1618, 53.3308,
49.8758

 60.2896, 61.8225,
63.5221

 67.2055, 71.3194,
79.1913

 74.9364, 81.8530,
96.9614

Harmonies

Analogous

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



37.0446, 21.4763, 15.3404



32.2011, 21.4763, 5.3539



24.6205, 21.4763, 2.2561

Triad

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



32.2011, 21.4763, 5.3539



9.8163, 21.4763, 13.8019



23.7951, 21.4763, 86.9797

Complementary

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



32.2011, 21.4763, 5.3539



29.7798, 37.8479, 70.7011

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.



16.7137, 21.4763, 85.6295



32.2011, 21.4763, 5.3539



9.6956, 21.4763, 33.8390

Square

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



32.2011, 21.4763, 5.3539



12.3031, 21.4763, 4.7964



11.9222, 21.4763, 62.5619



31.4758, 21.4763, 65.5861

Rectangle

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



32.2011, 21.4763, 5.3539



19.5982, 21.4763, 1.9404



11.9222, 21.4763, 62.5619



21.2492, 21.4763, 89.4304

Sweetspot

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



32.2016, 21.4775, 5.3543



74.1294, 71.0328, 62.2373



37.6366, 20.0834, 44.9749



15.2796, 14.3788, 12.0495



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.



32.2016, 21.4775, 5.3543



43.5634, 25.7341, 3.2370



43.0022, 43.0788, 8.9545



12.6442, 12.8626, 12.9770



17.4506, 10.0184, 1.0140



1.1153, 0.7297, 0.0821

Inverse Universe

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



29.7798, 37.8479, 70.7011



39.5223, 49.7983, 102.1367



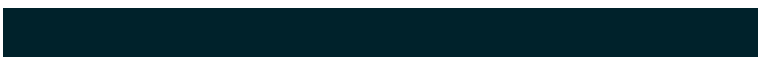
17.8732, 14.0346, 66.7322



12.5479, 13.6192, 15.9049



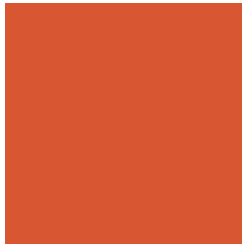
15.7225, 19.7067, 41.4283



1.0072, 1.3064, 2.5184

Previews

White Background



This preview shows how the XYZ color 32.2011, 21.4763, 5.3539 looks on a white background.

Color Contrast Check

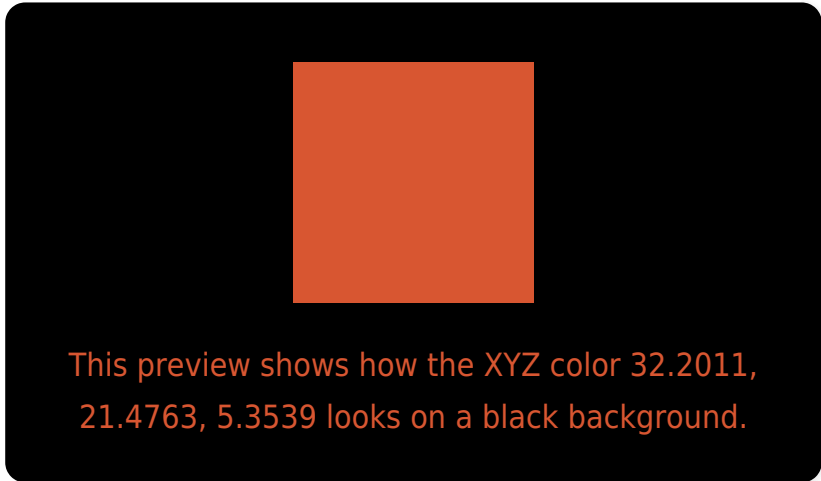
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 32.2011, 21.4763, 5.3539

Background



This preview shows how black text looks on a background with the XYZ color 32.2011, 21.4763, 5.3539.



This preview shows how white text looks on a background with the XYZ color 32.2011, 21.4763,

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

32.2011, 21.4763, 5.3539

Protanopia

19.7168, 21.5260, 7.5306

Deuteranopia

22.0237, 21.6426, 4.9361



Tritanopia

33.3529, 21.4744, 11.4039

Trichromacy



Original Color

32.2011, 21.4763, 5.3539

Protanomaly

23.0058, 20.5407, 6.6231

Deuteranomaly

24.9607, 20.9355, 5.0109

Tritanomaly

32.9111, 21.4193, 8.7031

Monochromacy



Original Color

32.2011, 21.4763, 5.3539

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.1384, 18.6193, 13.3062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2011, 21.4763, 5.3539 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(216, 86, 49)` looks like.

```
.text, #text, p{  
    color:rgb(216, 86, 49)  
}
```

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(216, 86, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 86, 49) }
```

Border

The CSS property to change the border of an element to XYZ 32.2011, 21.4763, 5.3539 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(216, 86, 49) }
```


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

```
.border{ border-color:rgb(216, 86, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 86, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 86, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 86, 49);  
box-shadow:4px 4px 4px 4px rgb(216, 86,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2011, 21.4763, 5.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 86, 49) }
```

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

```
.background{ background-color: rgb(216, 86,  
49) }
```

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