

Converting Colors

XYZ(21.1739, 15.4938, 2.5777)

Have a look what the booklet for
XYZ(21.1739, 15.4938, 2.5777)
contains.

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Color

**XYZ(21.1331, 15.4708,
2.5818)**

Conversions

Conversions Part 1

Format	Color
Hex	B05315
RGB	176, 83, 21
RGB Percent	69%, 33%, 8%
CMY	0.3098, 0.6745, 0.9176
CMYK	0.00, 0.53, 0.88, 0.31
HSL	24°, 79%, 39%
HSV	24°, 88%, 69%
XYZ	21.1331, 15.4708, 2.5818
YIQ	103.7390, 75.3300, 0.4340

Conversions

Conversions Part 2

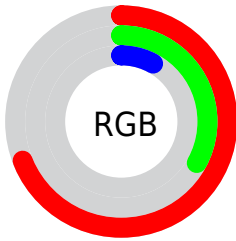
Format	Color
R_{YB}	176, 124, 21
Decimal	11555605
CIE _{Lab}	46.27, 34.49, 49.91
CIE _{LCh}	46, 60.668, 55.350
Yxy	15.4708, 0.5393, 0.3948
Android (android.graphics.Color)	4289745685 (0xFFB05315)
YUV	103.7390, -40.7903, 63.3729
Hunter-Lab	39.3329, 27.0732, 23.6413

Details

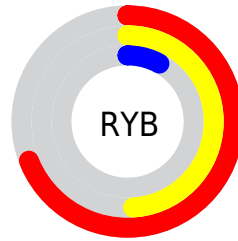
The XYZ color **21.1331, 15.4708, 2.5818** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.1625, 15.3276, 43.2860**, and the grayscale version is **13.1804, 13.8668, 15.1009**.

A 20% lighter version of the original color is **44.6198, 35.5226, 10.6357**, and **7.9081, 4.9260, 0.5340** is the 20% darker color. If you saturate the color by 10%, you get **20.2693, 13.9302, 1.7182**, and if you desaturate by 10%, it is **22.2282, 17.3023, 4.0532**.

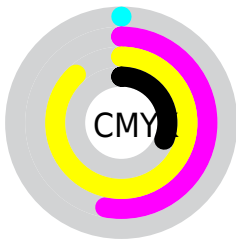
Distribution



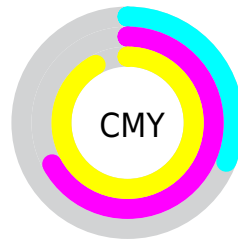
- Red (69%)
- Green (33%)
- Blue (8%)



- Red (69%)
- Yellow (49%)
- Blue (8%)



- Cyan (0%)
- Magenta (53%)
- Yellow (88%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1331, 15.4708, 2.5818 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 21.1331, 15.4708, 2.5818 by changing the saturation by 10% instead.


 21.1331, 15.4708,
2.5818


 21.1331, 15.4708,
2.5818


250.7033,
226.1984, 130.8418


 13.3343, 9.1505,
0.8830


 44.7986, 35.6770,
10.5778


 7.7378, 4.8395,
0.0000


 61.3960, 50.3317,
17.7144


 3.9780, 2.1534,
0.0000

 81.6570, 68.5333,
27.5014

 1.6897, 0.6944,
0.0000

 105.9469, 90.6661,
40.3573


 0.4498, 0.0000,
0.0000


 134.6312,
117.1147, 56.7008


 0.0000, 0.0000,
0.0000


 168.0751,


148.2633, 76.9504


 206.6440,
184.4964, 101.5245


 21.1331, 15.4708,
2.5818


 21.1331, 15.4708,
2.5818


 20.2693, 13.9302,
1.7182


 22.2282, 17.3023,
4.0532

 20.1199, 13.6612,
1.5764

 23.5860, 19.4434,
6.2772

 25.2285, 21.9114,
9.3433

 27.1746, 24.7214,
13.3282

 29.4412, 27.8871,
18.2996

■ 32.0441, 31.4217,
24.3190

■ 34.9976, 35.3373,
31.4428

■ 38.3154, 39.6457,
39.7231

■ 42.0102, 44.3579,
49.2090

Harmonies

Analogous

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



25.6809, 15.4708, 7.3384



21.1331, 15.4708, 2.5818



15.5277, 15.4708, 1.4039

Triad

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



21.1331, 15.4708, 2.5818



6.8373, 15.4708, 14.6348



19.3999, 15.4708, 58.0711

Complementary

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



21.1331, 15.4708, 2.5818



14.1625, 15.3276, 43.2860

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.



13.9110, 15.4708, 64.3448



21.1331, 15.4708, 2.5818



7.4091, 15.4708, 32.2675

Square

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



21.1331, 15.4708, 2.5818



7.9328, 15.4708, 5.2671



9.7329, 15.4708, 52.9473



24.5265, 15.4708, 38.8547

Rectangle

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



21.1331, 15.4708, 2.5818



12.2199, 15.4708, 1.5878



9.7329, 15.4708, 52.9473



17.5051, 15.4708, 62.1115

Sweetspot

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



21.1334, 15.4717, 2.5821



58.9376, 58.0864, 46.0514



21.2098, 10.9814, 16.9215



12.4054, 12.0955, 9.1119



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1334, 15.4717, 2.5821



36.2834, 24.3614, 2.7899



30.6973, 34.5993, 5.7700



8.7661, 9.0446, 8.9363



14.8166, 10.1317, 1.1747



0.5241, 0.4345, 0.0563

Inverse Universe

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



14.1625, 15.3276, 43.2860



23.2572, 23.7739, 77.8583



8.7919, 4.5864, 41.4958



8.4517, 9.0497, 10.8076



9.5592, 9.9187, 31.5477



0.3560, 0.4225, 1.0110

Previews

White Background



This preview shows how the XYZ color 21.1331, 15.4708, 2.5818 looks on a white 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

Black Background



This preview shows how the XYZ color 21.1331, 15.4708, 2.5818 looks on a black 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

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

XYZ 21.1331, 15.4708, 2.5818

Background



This preview shows how black text looks on a background with the XYZ color 21.1331, 15.4708, 2.5818.



This preview shows how white text looks on a background with the XYZ color 21.1331, 15.4708,

2.5818.

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

21.1331, 15.4708, 2.5818

Protanopia

14.2062, 15.7378, 3.3876

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

22.5753, 15.3973, 9.9657

Trichromacy



Original Color

21.1331, 15.4708, 2.5818

Protanomaly

16.1568, 15.2172, 3.0054

Deuteranomaly

17.2674, 15.2423, 2.2617

Tritanomaly

21.7431, 15.2653, 6.0755

Monochromacy



Original Color

21.1331, 15.4708, 2.5818

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6248, 13.6060, 8.3340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1331, 15.4708, 2.5818 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(176, 83, 21)` looks like.

```
.text, #text, p{  
    color:rgb(176, 83, 21)  
}
```

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(176, 83, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 83, 21) }
```

Border

The CSS property to change the border of an element to XYZ 21.1331, 15.4708, 2.5818 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(176, 83, 21) }
```


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

```
.border{ border-color:rgb(176, 83, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 83, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 83, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 83, 21);  
box-shadow:4px 4px 4px 4px rgb(176, 83,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1331, 15.4708, 2.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 83, 21) }
```

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

```
.background{ background-color: rgb(176, 83,  
21) }
```

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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