

Converting Colors

XYZ(21.3813, 15.3181, 1.8298)

Have a look what the booklet for
XYZ(21.3813, 15.3181, 1.8298)
contains.

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Color

**XYZ(21.4591, 15.3210,
1.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	B35000
RGB	179, 80, 0
RGB Percent	70%, 31%, 0%
CMY	0.2980, 0.6863, 1.0000
CMYK	0.00, 0.55, 1.00, 0.30
HSL	27°, 100%, 35%
HSV	27°, 100%, 70%
XYZ	21.4591, 15.3210, 1.8262
YIQ	100.4810, 84.6840, -3.8920

Conversions

Conversions Part 2

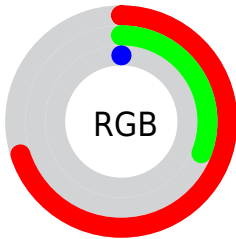
Format	Color
R_{YB}	179, 145, 0
Decimal	11751424
CIE Lab	46.07, 36.91, 55.82
CIE LCh	46, 66.924, 56.526
Yxy	15.3210, 0.5558, 0.3969
Android (android.graphics.Color)	4289941504 (0xFFB35000)
YUV	100.4810, -49.5371, 68.8612
Hunter-Lab	39.1420, 29.3616, 24.6332

Details

The XYZ color **21.4591, 15.3210, 1.8262** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.5982, 12.1777, 44.3342**, and the grayscale version is **12.3446, 12.9875, 14.1434**.

A 20% lighter version of the original color is **45.1813, 35.2491, 8.5601**, and **8.0720, 4.8505, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **21.4593, 15.3216, 1.8263**, and if you desaturate by 10%, it is **22.3469, 16.9234, 2.6568**.

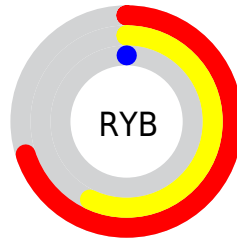
Distribution



Red (70%)

Green (31%)

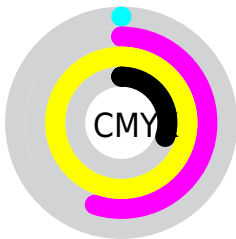
Blue (0%)



Red (70%)

Yellow (57%)

Blue (0%)

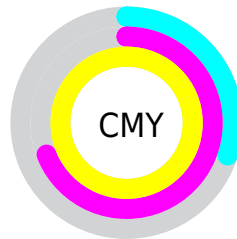


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4591, 15.3210, 1.8262 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 21.4591, 15.3210, 1.8262 by changing the saturation by 10% instead.


 21.4591, 15.3210,
1.8262


 21.4591, 15.3210,
1.8262


 252.3942,
225.3010, 119.6169

 13.5744, 9.0450,
0.4452


 45.3359, 35.4153,
8.5600


 7.9049, 4.7705,
0.0000


 62.0587, 50.0024,
14.8373

 4.0855, 2.1133,
0.0000

 82.4582, 68.1287,
23.6131

 1.7506, 0.6721,
0.0000

 106.8998, 90.1785,
35.3058


 0.4876, 0.0000,
0.0000


 135.7489,
116.5362, 50.3340


 0.0000, 0.0000,
0.0000


 169.3707,


147.5863, 69.1162


 208.1307,
183.7131, 92.0710


 21.4591, 15.3210,
1.8262


 21.4591, 15.3210,
1.8262

 21.4593, 15.3216,
1.8263

 22.3469, 16.9234,
2.6568

 23.4442, 18.7868,
4.0439

 24.7933, 20.9354,
6.1877

 26.4160, 23.3843,
9.1845

 28.3314, 26.1469,
13.1158

■ 30.5565, 29.2359,
18.0538

■ 33.1067, 32.6628,
24.0631

■ 35.9965, 36.4388,
31.2032

■ 39.2393, 40.5742,
39.5290

Harmonies

Analogous

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



26.6909, 15.3210, 6.2450



21.4591, 15.3210, 1.8262



15.2343, 15.3210, 0.8831

Triad

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



21.4591, 15.3210, 1.8262



6.1513, 15.3210, 14.8567



20.0081, 15.3210, 63.2726

Complementary

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



21.4591, 15.3210, 1.8262



12.5982, 12.1777, 44.3342

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.



13.9101, 15.3210, 71.4765



21.4591, 15.3210, 1.8262



6.8098, 15.3210, 34.9261

Square

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



21.4591, 15.3210, 1.8262



7.2166, 15.3210, 4.6897



9.3283, 15.3210, 58.7721



25.7115, 15.3210, 40.5815

Rectangle

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



21.4591, 15.3210, 1.8262



11.6696, 15.3210, 1.0716



9.3283, 15.3210, 58.7721



17.8970, 15.3210, 68.2668

Sweetspot

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



21.4594, 15.3219, 1.8265



59.0470, 58.1717, 42.5017



20.9607, 10.5318, 13.3519



12.6469, 12.3075, 8.3786



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.4594, 15.3219, 1.8265



38.2167, 27.0076, 3.1988



32.4212, 37.2455, 5.4804



8.7986, 9.1098, 8.9471



15.2273, 10.9531, 1.3116



0.5376, 0.4617, 0.0608

Inverse Universe

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



12.5982, 12.1777, 44.3342



22.3355, 21.3548, 79.3259



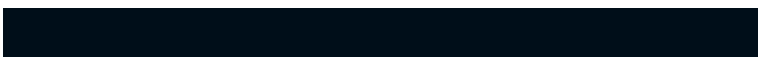
8.2674, 3.5161, 42.8906



8.4185, 8.9833, 10.7966



8.9681, 8.7366, 31.3507



0.3393, 0.3892, 1.0055

Previews

White Background



This preview shows how the XYZ color 21.4591, 15.3210, 1.8262 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 21.4591, 15.3210, 1.8262 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 21.4591, 15.3210, 1.8262

Background



This preview shows how black text looks on a background with the XYZ color 21.4591, 15.3210, 1.8262.



This preview shows how white text looks on a background with the XYZ color 21.4591, 15.3210,

1.8262.

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

21.4591, 15.3210, 1.8262

Protanopia

13.9893, 15.4774, 2.7804

Deuteranopia

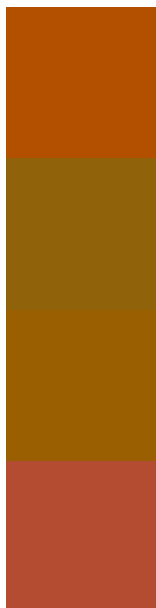
15.5978, 15.3896, 2.1484



Tritanopia

22.9161, 15.2858, 9.1398

Trichromacy



Original Color

21.4591, 15.3210, 1.8262

Protanomaly

16.0238, 14.8771, 2.3436

Deuteranomaly

17.4186, 15.0544, 1.9877

Tritanomaly

21.9826, 15.1025, 4.7741

Monochromacy



Original Color

21.4591, 15.3210, 1.8262

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.8930, 12.8660, 6.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4591, 15.3210, 1.8262 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(179, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 80, 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(179, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4591, 15.3210, 1.8262 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(179, 80, 0) }
```


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

```
.border{ border-color:rgb(179, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4591, 15.3210, 1.8262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 80, 0) }
```

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

```
.background{ background-color: rgb(179, 80,  
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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