

Converting Colors

XYZ(21.5531, 15.6804, 1.8906)

Have a look what the booklet for
XYZ(21.5531, 15.6804, 1.8906)
contains.

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Color

**XYZ(21.4534, 15.6515,
1.8903)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B25300 |
| RGB | 178, 83, 0 |
| RGB Percent | 70%, 33%, 0% |
| CMY | 0.3020, 0.6745, 1.0000 |
| CMYK | 0.00, 0.53, 1.00, 0.30 |
| HSL | 28°, 100%, 35% |
| HSV | 28°, 100%, 70% |
| XYZ | 21.4534, 15.6515, 1.8903 |
| YIQ | 101.9430, 83.2630, -5.6730 |

Conversions

Conversions Part 2

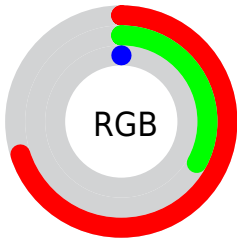
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 178, 156, 0 |
| Decimal | 11686656 |
| CIE Lab | 46.51, 34.97, 56.00 |
| CIE LCh | 47, 66.021, 58.011 |
| Yxy | 15.6515, 0.5502, 0.4014 |
| Android (android.graphics.Color) | 4289876736 (0xFFB25300) |
| YUV | 101.9430, -50.2579, 66.7020 |
| Hunter-Lab | 39.5620, 27.5623, 24.8605 |

Details

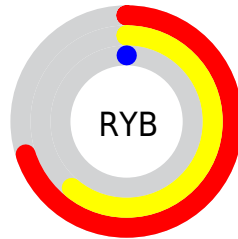
The XYZ color **21.4534, 15.6515, 1.8903** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.1278, 11.3982, 43.6801**, and the grayscale version is **12.7270, 13.3898, 14.5815**.

A 20% lighter version of the original color is **45.2497, 35.8912, 8.6805**, and **8.0432, 4.9956, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **21.4536, 15.6521, 1.8904**, and if you desaturate by 10%, it is **22.3387, 17.2501, 2.7161**.

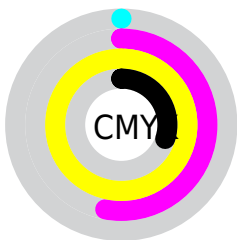
Distribution



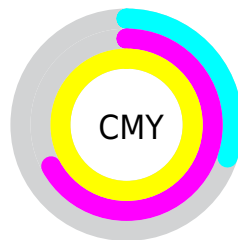
- Red (70%)
- Green (33%)
- Blue (0%)



- Red (70%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (100%)
- Black (30%)





- Cyan (30%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4534, 15.6515, 1.8903 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 21.4534, 15.6515, 1.8903 by changing the saturation by 10% instead.


 21.4534, 15.6515,
1.8903


 21.4534, 15.6515,
1.8903


 252.3647,
227.2764, 120.6494


 13.5702, 9.2779,
0.4866


 45.3265, 35.9921,
8.7387


 7.9020, 4.9229,
0.0000


 62.0471, 50.7279,
15.0949


 4.0836, 2.2021,
0.0000

 82.4442, 69.0199,
23.9639

 1.7495, 0.7211,
0.0000

 106.8832, 91.2525,
35.7642


 0.4870, 0.0000,
0.0000


 135.7294,
117.8100, 50.9144


 0.0000, 0.0000,
0.0000


 169.3481,


149.0769, 69.8330


 208.1048,
185.4376, 92.9385


 21.4534, 15.6515,
1.8903


 21.4534, 15.6515,
1.8903


 21.4536, 15.6521,
1.8904

 22.3387, 17.2501,
2.7161

 23.4243, 19.0936,
4.0883

 24.7516, 21.2050,
6.2054

 26.3417, 23.5982,
9.1620

 28.2131, 26.2858,
13.0385

■ 30.3820, 29.2794,
17.9058

■ 32.8635, 32.5898,
23.8276

■ 35.6713, 36.2271,
30.8625

■ 38.8184, 40.2010,
39.0644

Harmonies

Analogous

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



26.7689, 15.6515, 6.1596



21.4534, 15.6515, 1.8903



15.2590, 15.6515, 0.9941

Triad

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



21.4534, 15.6515, 1.8903



6.4057, 15.6515, 15.9780



20.6253, 15.6515, 62.3361

Complementary

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



21.4534, 15.6515, 1.8903



12.1278, 11.3982, 43.6801

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.



14.5000, 15.6515, 71.4080



21.4534, 15.6515, 1.8903



7.1602, 15.6515, 36.3860

Square

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



21.4534, 15.6515, 1.8903



7.3958, 15.6515, 5.2530



9.8029, 15.6515, 59.7914



26.2114, 15.6515, 39.5973

Rectangle

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



21.4534, 15.6515, 1.8903



11.7449, 15.6515, 1.2400



9.8029, 15.6515, 59.7914



18.5199, 15.6515, 67.5404

Sweetspot

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



21.4537, 15.6524, 1.8906



59.3475, 58.7727, 42.6018



20.5600, 10.3450, 12.4440



12.7199, 12.4536, 8.4029



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.



21.4537, 15.6524, 1.8906



38.6796, 27.9334, 3.3531



32.5666, 37.8780, 5.5948



8.8121, 9.1367, 8.9516



15.4122, 11.3230, 1.3732



0.5435, 0.4734, 0.0627

Inverse Universe

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



12.1278, 11.3982, 43.6801



21.7603, 20.2045, 79.1341



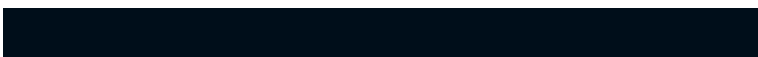
8.1325, 3.4076, 42.3484



8.4049, 8.9560, 10.7920



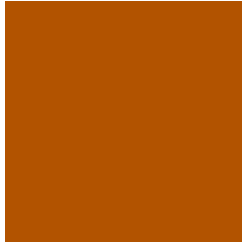
8.7410, 8.2824, 31.2749



0.3327, 0.3760, 1.0033

Previews

White Background



This preview shows how the XYZ color 21.4534, 15.6515, 1.8903 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 21.4534, 15.6515, 1.8903 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 21.4534, 15.6515, 1.8903

Background



This preview shows how black text looks on a background with the XYZ color 21.4534, 15.6515, 1.8903.



This preview shows how white text looks on a background with the XYZ color 21.4534, 15.6515,

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

21.4534, 15.6515, 1.8903

Protanopia

14.2354, 15.7663, 2.7831

Deuteranopia

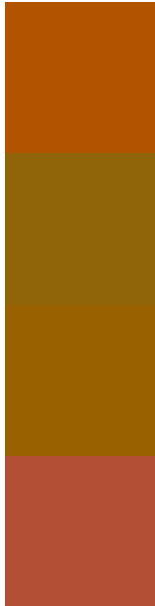
15.8668, 15.6786, 2.1900



Tritanopia

22.9993, 15.6202, 9.7855

Trichromacy



Original Color

21.4534, 15.6515, 1.8903

Protanomaly

16.2101, 15.2586, 2.3780

Deuteranomaly

17.6011, 15.4194, 2.0486

Tritanomaly

22.0062, 15.4236, 5.0660

Monochromacy



Original Color

21.4534, 15.6515, 1.8903

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.2523, 13.3119, 6.8193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4534, 15.6515, 1.8903 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(178, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 83, 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(178, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4534, 15.6515, 1.8903 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(178, 83, 0) }
```


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

```
.border{ border-color:rgb(178, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4534, 15.6515, 1.8903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 83, 0) }
```

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

```
.background{ background-color: rgb(178, 83,  
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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