

Converting Colors

XYZ(20.9893, 15.5263, 2.8316)

Have a look what the booklet for
XYZ(20.9893, 15.5263, 2.8316)
contains.

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Color

**XYZ(21.0250, 15.5248,
2.8081)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5419
RGB	175, 84, 25
RGB Percent	69%, 33%, 10%
CMY	0.3137, 0.6706, 0.9020
CMYK	0.00, 0.52, 0.86, 0.31
HSL	24°, 75%, 39%
HSV	24°, 86%, 69%
XYZ	21.0250, 15.5248, 2.8081
YIQ	104.4830, 73.1750, 0.9430

Conversions

Conversions Part 2

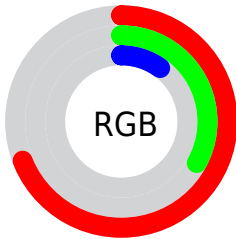
Format	Color
R_{YB}	175, 122, 25
Decimal	11490329
CIE Lab	46.34, 33.66, 48.40
CIE LCh	46, 58.957, 55.181
Yxy	15.5248, 0.5342, 0.3945
Android (android.graphics.Color)	4289680409 (0xFFAF5419)
YUV	104.4830, -39.1851, 61.8434
Hunter-Lab	39.4015, 26.2965, 23.3555

Details

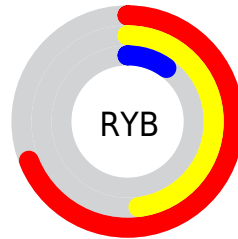
The XYZ color **21.0250, 15.5248, 2.8081** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.3835, 15.7914, 42.8471**, and the grayscale version is **13.3766, 14.0732, 15.3258**.

A 20% lighter version of the original color is **44.5260, 35.6688, 11.1946**, and **7.8035, 4.9151, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **20.1284, 13.9468, 1.8465**, and if you desaturate by 10%, it is **22.1643, 17.4011, 4.4284**.

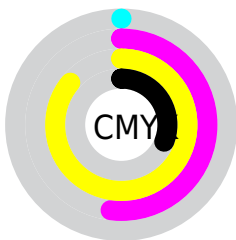
Distribution



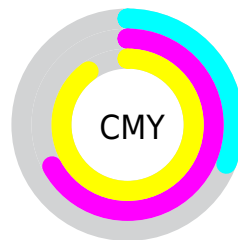
- Red (69%)
- Green (33%)
- Blue (10%)



- Red (69%)
- Yellow (48%)
- Blue (10%)



- Cyan (0%)
- Magenta (52%)
- Yellow (86%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0250, 15.5248, 2.8081 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 21.0250, 15.5248, 2.8081 by changing the saturation by 10% instead.


 21.0250, 15.5248,
2.8081


 21.0250, 15.5248,
2.8081


250.1405,
226.5211, 133.8777


 13.2548, 9.1885,
0.9975


 44.6201, 35.7712,
11.1511


 7.6825, 4.8644,
0.0000


 61.1758, 50.4502,
18.5206

 3.9425, 2.1679,
0.0000

 81.3906, 68.6788,
28.5802

 1.6697, 0.7024,
0.0000

 105.6300, 90.8416,
41.7483


 0.4372, 0.0000,
0.0000


 134.2594,
117.3227, 58.4436


 0.0000, 0.0000,
0.0000


 167.6440,


148.5068, 79.0846


 206.1493,
184.7781, 104.0898


 21.0250, 15.5248,
2.8081


 21.0250, 15.5248,
2.8081


 20.1284, 13.9468,
1.8465


 22.1643, 17.4011,
4.4284

 19.7973, 13.3504,
1.5335

 23.5706, 19.5918,
6.8144

 25.2650, 22.1140,
10.0511

 27.2658, 24.9823,
14.2117

 29.5896, 28.2107,
19.3616

■ 32.2516, 31.8121,
25.5599

■ 35.2661, 35.7986,
32.8614

■ 38.6464, 40.1819,
41.3167

■ 42.4050, 44.9732,
50.9735

Harmonies

Analogous

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



25.4054, 15.5248, 7.6165



21.0250, 15.5248, 2.8081



15.5869, 15.5248, 1.5761

Triad

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



21.0250, 15.5248, 2.8081



7.0397, 15.5248, 14.6731



19.2858, 15.5248, 56.6362

Complementary

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



21.0250, 15.5248, 2.8081



14.3835, 15.7914, 42.8471

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.



13.9549, 15.5248, 62.5276



21.0250, 15.5248, 2.8081



7.5963, 15.5248, 31.7147

Square

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



21.0250, 15.5248, 2.8081



8.1326, 15.5248, 5.4767



9.8761, 15.5248, 51.5633



24.2512, 15.5248, 38.2787

Rectangle

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



21.0250, 15.5248, 2.8081



12.3560, 15.5248, 1.7624



9.8761, 15.5248, 51.5633



17.4480, 15.5248, 60.4644

Sweetspot

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



21.0253, 15.5257, 2.8084



57.3899, 56.4768, 44.8943



21.2671, 11.1054, 18.0069



12.3845, 12.0537, 9.1049



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.



21.0253, 15.5257, 2.8084



35.2581, 23.5134, 2.6802



29.9963, 33.4675, 5.7987



8.2540, 8.5129, 8.4215



14.2340, 9.6735, 1.1170



0.4502, 0.3775, 0.0491

Inverse Universe

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



14.3835, 15.7914, 42.8471



22.9001, 23.6271, 75.9904



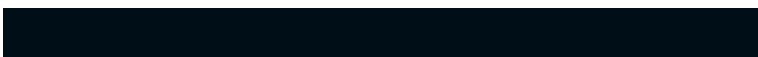
8.9846, 4.9935, 41.0475



7.9679, 8.5351, 10.1802



9.3053, 9.7446, 30.4350



0.3101, 0.3736, 0.8638

Previews

White Background



This preview shows how the XYZ color 21.0250, 15.5248, 2.8081 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 21.0250, 15.5248, 2.8081 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 21.0250, 15.5248, 2.8081

Background



This preview shows how black text looks on a background with the XYZ color 21.0250, 15.5248, 2.8081.



This preview shows how white text looks on a background with the XYZ color 21.0250, 15.5248,

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

21.0250, 15.5248, 2.8081

Protanopia

14.2573, 15.7582, 3.6567

Deuteranopia

15.9332, 15.7051, 2.5395



Tritanopia

22.4561, 15.4360, 10.1834

Trichromacy



Original Color

21.0250, 15.5248, 2.8081

Protanomaly

16.2031, 15.2357, 3.2492

Deuteranomaly

17.5127, 15.3622, 2.5725

Tritanomaly

21.6704, 15.3263, 6.5187

Monochromacy



Original Color

21.0250, 15.5248, 2.8081

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.7506, 13.8032, 8.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0250, 15.5248, 2.8081 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(175, 84, 25)` looks like.

```
.text, #text, p{  
    color:rgb(175, 84, 25)  
}
```

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(175, 84, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 84, 25) }
```

Border

The CSS property to change the border of an element to XYZ 21.0250, 15.5248, 2.8081 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(175, 84, 25) }
```


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

```
.border{ border-color:rgb(175, 84, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 84, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 84, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 84, 25);  
box-shadow:4px 4px 4px 4px rgb(175, 84,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0250, 15.5248, 2.8081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 84, 25) }
```

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

```
.background{ background-color: rgb(175, 84,  
25) }
```

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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