

Converting Colors

XYZ(21.3855, 15.3152, 2.1271)

Have a look what the booklet for
XYZ(21.3855, 15.3152, 2.1271)
contains.

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Color

**XYZ(21.2835, 15.2242,
2.1040)**

Conversions

Conversions Part 1

Format	Color
Hex	B2500A
RGB	178, 80, 10
RGB Percent	70%, 31%, 4%
CMY	0.3020, 0.6862, 0.9608
CMYK	0.00, 0.55, 0.94, 0.30
HSL	25°, 89%, 37%
HSV	25°, 94%, 70%
XYZ	21.2835, 15.2242, 2.1040
YIQ	101.3220, 80.8780, -0.9940

Conversions

Conversions Part 2

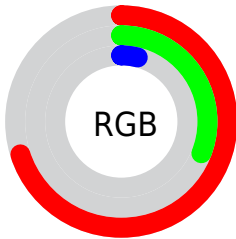
Format	Color
R _Y B	178, 130, 10
Decimal	11685898
CIE Lab	45.94, 36.64, 53.12
CIE LCh	46, 64.536, 55.403
Yxy	15.2242, 0.5512, 0.3943
Android (android.graphics.Color)	4289875978 (0xFFB2500A)
YUV	101.3220, -45.0217, 67.2466
Hunter-Lab	39.0182, 29.0857, 24.1156

Details

The XYZ color **21.2835, 15.2242, 2.1040** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.5234, 14.0035, 44.1092**, and the grayscale version is **12.5520, 13.2056, 14.3809**.

A 20% lighter version of the original color is **44.9769, 35.1280, 9.2603**, and **7.9355, 4.7801, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **20.8201, 14.3852, 1.6793**, and if you desaturate by 10%, it is **22.2562, 16.9260, 3.1804**.

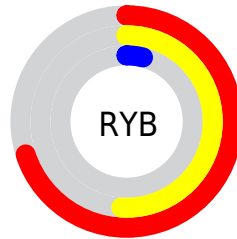
Distribution



Red (70%)

Green (31%)

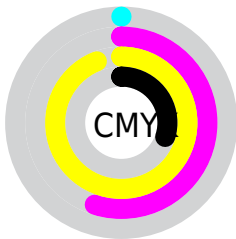
Blue (4%)



Red (70%)

Yellow (51%)

Blue (4%)

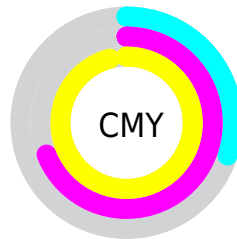


Cyan (0%)

Magenta (55%)

Yellow (94%)

Black (30%)



Cyan (30%)

Magenta (69%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2835, 15.2242, 2.1040 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 21.2835, 15.2242, 2.1040 by changing the saturation by 10% instead.

■ 21.2835, 15.2242,
2.1040

■ 21.2835, 15.2242,
2.1040

251.4846,
224.7193, 123.9713

■ 13.4450, 8.9769,
0.6181

■ 45.0466, 35.2460,
9.3232

■ 7.8148, 4.7261,
0.0000

■ 61.7020, 49.7893,
15.9334

■ 4.0275, 2.0875,
0.0000

■ 82.0270, 67.8667,
25.1021

■ 1.7177, 0.6576,
0.0000

■ 106.3870, 89.8626,
37.2478


■ 0.4673, 0.0000,
0.0000


■ 135.1475,
116.1614, 52.7890


■ 0.0000, 0.0000,
0.0000


■ 168.6736,


147.1476, 72.1443


 207.3309,
183.2054, 95.7323


 21.2835, 15.2242,
2.1040


 21.2835, 15.2242,
2.1040


 20.8201, 14.3852,
1.6793

 22.2562, 16.9260,
3.1804

 23.4769, 18.9222,
4.9591

 24.9698, 21.2310,
7.5441

 26.7557, 23.8679,
11.0217

 28.8528, 26.8469,
15.4668

■ 31.2775, 30.1811,
20.9465

■ 34.0453, 33.8830,
27.5216

■ 37.1701, 37.9642,
35.2485

■ 40.6654, 42.4358,
44.1792

Harmonies

Analogous

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



26.1693, 15.2242, 6.7381



21.2835, 15.2242, 2.1040



15.3276, 15.2242, 1.0422

Triad

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



21.2835, 15.2242, 2.1040



6.3284, 15.2242, 14.2826



19.4544, 15.2242, 61.2383

Complementary

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



21.2835, 15.2242, 2.1040



13.5234, 14.0035, 44.1092

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.



13.6453, 15.2242, 68.1991



21.2835, 15.2242, 2.1040



6.9104, 15.2242, 33.0990

Square

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



21.2835, 15.2242, 2.1040



7.4371, 15.2242, 4.6982



9.2923, 15.2242, 55.6605



24.9406, 15.2242, 40.1651

Rectangle

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



21.2835, 15.2242, 2.1040



11.8582, 15.2242, 1.2054



9.2923, 15.2242, 55.6605



17.4399, 15.2242, 65.7070

Sweetspot

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



21.2838, 15.2251, 2.1043



59.6022, 58.6074, 44.7670



21.1753, 10.7648, 15.1496



12.7368, 12.3564, 8.8125



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.



21.2838, 15.2251, 2.1043



37.5413, 25.6569, 2.9736



31.6901, 36.0376, 5.5730



8.7776, 9.0677, 8.9401



14.9564, 10.4113, 1.2213



0.5288, 0.4439, 0.0578

Inverse Universe

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



13.5234, 14.0035, 44.1092



23.2865, 23.2569, 79.6429



8.4878, 3.9323, 42.4307



8.4399, 9.0261, 10.8037



9.3427, 9.4858, 31.4755



0.3500, 0.4105, 1.0090

Previews

White Background



This preview shows how the XYZ color 21.2835, 15.2242, 2.1040 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 21.2835, 15.2242, 2.1040 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 21.2835, 15.2242, 2.1040

Background



This preview shows how black text looks on a background with the XYZ color 21.2835, 15.2242, 2.1040.



This preview shows how white text looks on a background with the XYZ color 21.2835, 15.2242,

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

21.2835, 15.2242, 2.1040

Protanopia

13.8706, 15.4133, 2.9058

Deuteranopia

15.4315, 15.3039, 2.1406



Tritanopia

22.6825, 15.1654, 9.1288

Trichromacy



Original Color

21.2835, 15.2242, 2.1040

Protanomaly

15.8831, 14.8007, 2.5099

Deuteranomaly

17.2510, 14.9655, 2.0943

Tritanomaly

21.8407, 15.0189, 5.2378

Monochromacy



Original Color

21.2835, 15.2242, 2.1040

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.0110, 12.9132, 7.2229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2835, 15.2242, 2.1040 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, 80, 10)` looks like.

```
.text, #text, p{  
    color:rgb(178, 80, 10)  
}
```

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, 80, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 80, 10) }
```

Border

The CSS property to change the border of an element to XYZ 21.2835, 15.2242, 2.1040 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, 80, 10) }
```


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

```
.border{ border-color:rgb(178, 80, 10) }
```

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

Here you see how a box with a 4 pixel rgb(178, 80, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 80, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 80, 10);  
box-shadow:4px 4px 4px 4px rgb(178, 80,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2835, 15.2242, 2.1040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 80, 10) }
```

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

```
.background{ background-color: rgb(178, 80,  
10) }
```

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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