

Converting Colors

XYZ(21.1924, 13.3384, 2.1903)

Have a look what the booklet for
XYZ(21.1924, 13.3384, 2.1903)
contains.

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Color

**XYZ(21.2797, 13.3531,
2.1653)**

Conversions

Conversions Part 1

Format	Color
Hex	B73C15
RGB	183, 60, 21
RGB Percent	72%, 24%, 8%
CMY	0.2824, 0.7647, 0.9176
CMYK	0.00, 0.67, 0.89, 0.28
HSL	14°, 79%, 40%
HSV	14°, 89%, 72%
XYZ	21.2797, 13.3531, 2.1653
YIQ	92.3310, 85.8270, 13.9470

Conversions

Conversions Part 2

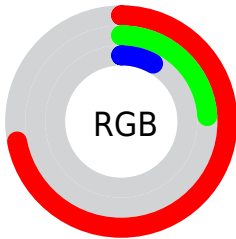
Format	Color
R_{YB}	183, 72, 21
Decimal	12008469
CIE _{Lab}	43.29, 48.04, 48.04
CIE _{LCh}	43, 67.942, 44.997
Yxy	13.3531, 0.5783, 0.3629
Android (android.graphics.Color)	4290198549 (0xFFB73C15)
YUV	92.3310, -35.1662, 79.5167
Hunter-Lab	36.5419, 39.9989, 22.0661

Details

The XYZ color **21.2797, 13.3531, 2.1653** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.8288, 23.5229, 48.3476**, and the grayscale version is **10.3146, 10.8518, 11.8176**.

A 20% lighter version of the original color is **44.9853, 31.8328, 9.4036**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.5246, 12.0361, 1.3190**, and if you desaturate by 10%, it is **22.3418, 15.1001, 3.6828**.

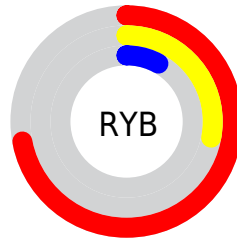
Distribution



Red (72%)

Green (24%)

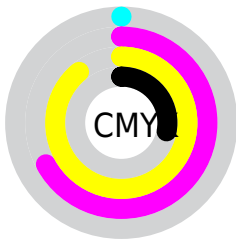
Blue (8%)



Red (72%)

Yellow (28%)

Blue (8%)

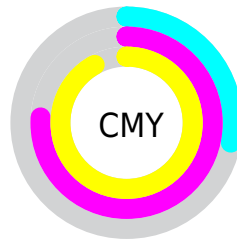


Cyan (0%)

Magenta (67%)

Yellow (89%)

Black (28%)



Cyan (28%)


Magenta (76%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2797, 13.3531, 2.1653 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 21.2797, 13.3531, 2.1653 by changing the saturation by 10% instead.


 21.2797, 13.3531,
2.1653


 21.2797, 13.3531,
2.1653


251.4649,
213.1684, 124.8929


 13.4422, 7.6721,
0.6542


 45.0403, 31.9367,
9.4880


 7.8129, 3.8859,
0.0000


 61.6942, 45.6081,
16.1687


 4.0262, 1.6099,
0.0000

 82.0176, 62.7118,
25.4205

 1.7170, 0.3643,
0.0000

 106.3759, 83.6322,
37.6617


 0.4669, 0.0000,
0.0000


 135.1344,
108.7537, 53.3111


 0.0000, 0.0000,
0.0000


 168.6585,


138.4606, 72.7870


 207.3136,
173.1374, 96.5081


 21.2797, 13.3531,
2.1653


 21.2797, 13.3531,
2.1653


 20.5246, 12.0361,
1.3190


 22.3418, 15.1001,
3.6828

 20.4314, 11.8733,
1.2149

 23.7549, 17.3145,
6.0400

 25.5503, 20.0293,
9.3389

 27.7551, 23.2737,
13.6665

 30.3941, 27.0745,
19.0999

■ 33.4897, 31.4566,
25.7088

■ 37.0628, 36.4435,
33.5570

■ 41.1331, 42.0573,
42.7038

■ 45.7191, 48.3188,
53.2047

Harmonies

Analogous

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



25.1951, 13.3531, 8.2539



21.2797, 13.3531, 2.1653



15.4966, 13.3531, 0.6301

Triad

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



21.2797, 13.3531, 2.1653



5.2102, 13.3531, 8.2518



15.4954, 13.3531, 64.3660

Complementary

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



21.2797, 13.3531, 2.1653



18.8288, 23.5229, 48.3476

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.



10.2475, 13.3531, 64.3638



21.2797, 13.3531, 2.1653



5.2101, 13.3531, 23.4050

Square

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



21.2797, 13.3531, 2.1653



6.7956, 13.3531, 2.1647



6.7951, 13.3531, 46.1786



21.2786, 13.3531, 46.1833

Rectangle

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



21.2797, 13.3531, 2.1653



11.8303, 13.3531, 0.4863



6.7951, 13.3531, 46.1786



13.5940, 13.3531, 66.7602

Sweetspot

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



21.2800, 13.3539, 2.1655



60.6277, 57.2483, 47.4504



24.9228, 12.6541, 27.9979



12.9471, 12.0204, 9.5206



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.2800, 13.3539, 2.1655



36.4433, 20.9666, 2.1262



29.0126, 28.8192, 4.7431



9.1755, 9.3540, 9.4288



14.2991, 8.3746, 0.8628



0.5536, 0.3942, 0.0469

Inverse Universe

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



18.8288, 23.5229, 48.3476



31.6391, 38.7854, 86.0545



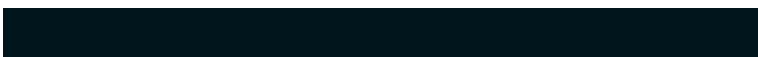
10.7012, 7.2678, 45.6384



9.0785, 9.8343, 11.4991



12.4525, 15.3647, 33.5624



0.4838, 0.6314, 1.1981

Previews

White Background



This preview shows how the XYZ color 21.2797, 13.3531, 2.1653 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



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 21.2797, 13.3531, 2.1653

Background



This preview shows how black text looks on a background with the XYZ color 21.2797, 13.3531, 2.1653.



This preview shows how white text looks on a background with the XYZ color 21.2797, 13.3531,

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

21.2797, 13.3531, 2.1653

Protanopia

12.3134, 13.5178, 3.3267

Deuteranopia

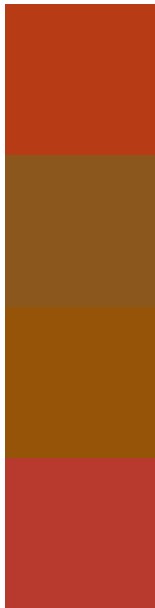
13.5736, 13.4812, 1.8867



Tritanopia

21.9708, 13.3345, 5.5535

Trichromacy



Original Color

21.2797, 13.3531, 2.1653

Protanomaly

14.4330, 12.4757, 2.7460

Deuteranomaly

15.6086, 12.7477, 1.8676

Tritanomaly

21.7039, 13.3061, 3.9070

Monochromacy



Original Color

21.2797, 13.3531, 2.1653

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.3095, 10.4906, 6.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2797, 13.3531, 2.1653 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(183, 60, 21)` looks like.

```
.text, #text, p{  
    color:rgb(183, 60, 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(183, 60, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 60, 21) }
```

Border

The CSS property to change the border of an element to XYZ 21.2797, 13.3531, 2.1653 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(183, 60, 21) }
```


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

```
.border{ border-color:rgb(183, 60, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 60, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 60, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 60, 21);  
box-shadow:4px 4px 4px 4px rgb(183, 60,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2797, 13.3531, 2.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 60, 21) }
```

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

```
.background{ background-color: rgb(183, 60,  
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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