

Converting Colors

XYZ(20.7248, 13.1612, 1.4481)

Have a look what the booklet for
XYZ(20.7248, 13.1612, 1.4481)
contains.

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Color

**XYZ(20.7248, 13.1612,
1.4481)**

Conversions

Conversions Part 1

Format	Color
Hex	B53D00
RGB	181, 61, 0
RGB Percent	71%, 24%, 0%
CMY	0.2902, 0.7608, 1.0000
CMYK	0.00, 0.66, 1.00, 0.29
HSL	20°, 100%, 35%
HSV	20°, 100%, 71%
XYZ	20.7248, 13.1612, 1.4481
YIQ	89.9260, 91.1010, 6.4690

Conversions

Conversions Part 2

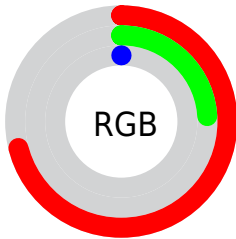
Format	Color
RYB	181, 92, 0
Decimal	11877632
CIELab	43.01, 46.61, 54.35
CIElCh	43, 71.599, 49.381
Yxy	13.1612, 0.5865, 0.3725
Android (android.graphics.Color)	4290067712 (0xFFB53D00)
YUV	89.9260, -44.3335, 79.8719
Hunter-Lab	36.2784, 38.4848, 23.0282

Details

The XYZ color **20.7248, 13.1612, 1.4481** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.0565, 16.7682, 46.1588**, and the grayscale version is **9.7843, 10.2938, 11.2100**.

A 20% lighter version of the original color is **44.0394, 31.5532, 7.5106**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **20.7249, 13.1617, 1.4481**, and if you desaturate by 10%, it is **21.5490, 14.6337, 2.2656**.

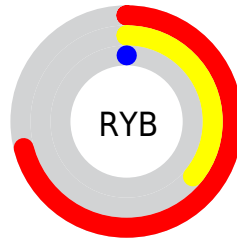
Distribution



Red (71%)

Green (24%)

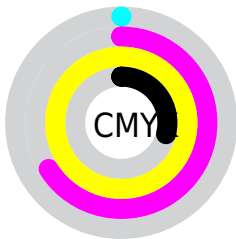
Blue (0%)



Red (71%)

Yellow (36%)

Blue (0%)

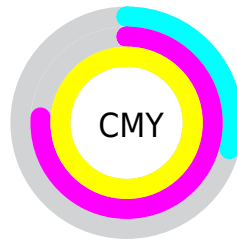


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7248, 13.1612, 1.4481 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 20.7248, 13.1612, 1.4481 by changing the saturation by 10% instead.

■ 20.7248, 13.1612,
1.4481

■ 20.7248, 13.1612,
1.4481

■ 248.5718,
211.9482, 113.1139

■ 13.0343, 7.5396,
0.1788

■ 44.1238, 31.5931,
7.4681

■ 7.5293, 3.8018,
0.0000

■ 60.5630, 45.1722,
13.2499

■ 3.8445, 1.5633,
0.0000

■ 80.6492, 62.1726,
21.4377

■ 1.6146, 0.3327,
0.0000

■ 104.7477, 82.9788,
32.4498


■ 0.4019, 0.0000,
0.0000


■ 133.2238,
107.9750, 46.7050


■ 0.0000, 0.0000,
0.0000


■ 166.4430,


137.5457, 64.6217


 204.7705,
172.0753, 86.6185


 20.7248, 13.1612,
1.4481


 20.7248, 13.1612,
1.4481


 20.7249, 13.1617,
1.4481

 21.5490, 14.6337,
2.2656

 22.6265, 16.4503,
3.6681

 24.0042, 18.6434,
5.8610

 25.7081, 21.2353,
8.9441

 27.7609, 24.2464,
13.0026

■ 30.1831, 27.6955,
18.1114

■ 32.9934, 31.6002,
24.3381

■ 36.2092, 35.9770,
31.7446

■ 39.8466, 40.8415,
40.3882

Harmonies

Analogous

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



25.3563, 13.1612, 6.4521



20.7248, 13.1612, 1.4481



14.5589, 13.1612, 0.2638

Triad

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



20.7248, 13.1612, 1.4481



4.7336, 13.1612, 9.4466



16.3530, 13.1612, 66.0155

Complementary

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



20.7248, 13.1612, 1.4481



15.0565, 16.7682, 46.1588

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.



10.6618, 13.1612, 69.3837



20.7248, 13.1612, 1.4481



4.9556, 13.1612, 26.8987

Square

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



20.7248, 13.1612, 1.4481



6.0816, 13.1612, 2.2793



6.8149, 13.1612, 51.7510



22.3643, 13.1612, 44.4319

Rectangle

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



20.7248, 13.1612, 1.4481



10.8651, 13.1612, 0.2451



6.8149, 13.1612, 51.7510



14.3116, 13.1612, 69.7090

Sweetspot

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



20.7251, 13.1620, 1.4483



58.8204, 56.2237, 42.9783



22.4868, 11.1961, 18.9584



12.2467, 11.5073, 8.2452



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.



20.7251, 13.1620, 1.4483



36.9301, 23.1963, 2.5309



30.0958, 31.9034, 4.5719



8.7227, 8.9579, 8.9218



14.3456, 9.1899, 1.0177



0.5066, 0.3997, 0.0504

Inverse Universe

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



15.0565, 16.7682, 46.1588



26.7473, 29.5944, 82.5972



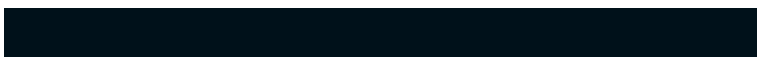
8.8091, 4.2734, 44.0763



8.4966, 9.1394, 10.8226



10.4455, 11.6915, 31.8431



0.3799, 0.4703, 1.0190

Previews

White Background



This preview shows how the XYZ color 20.7248, 13.1612, 1.4481 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 20.7248, 13.1612, 1.4481

Background



This preview shows how black text looks on a background with the XYZ color 20.7248, 13.1612, 1.4481.



This preview shows how white text looks on a background with the XYZ color 20.7248, 13.1612,

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

20.7248, 13.1612, 1.4481

Protanopia

12.0380, 13.3924, 2.5666

Deuteranopia

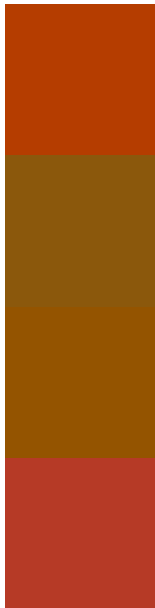
13.3280, 13.2165, 1.8486



Tritanopia

21.5701, 13.1976, 5.6855

Trichromacy



Original Color

20.7248, 13.1612, 1.4481

Protanomaly

14.2035, 12.4950, 2.0110

Deuteranomaly

15.3831, 12.6365, 1.6283

Tritanomaly

21.1543, 13.1111, 3.2495

Monochromacy



Original Color

20.7248, 13.1612, 1.4481

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.7029, 10.0983, 5.2033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7248, 13.1612, 1.4481 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(181, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 61, 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(181, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7248, 13.1612, 1.4481 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(181, 61, 0) }
```


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

```
.border{ border-color:rgb(181, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7248, 13.1612, 1.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 61, 0) }
```

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

```
.background{ background-color: rgb(181, 61,  
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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