

Converting Colors

XYZ(20.5711, 13.3928, 0.8416)

Have a look what the booklet for
XYZ(20.5711, 13.3928, 0.8416)
contains.

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Color

**XYZ(20.7127, 13.4839,
1.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	B44100
RGB	180, 65, 0
RGB Percent	71%, 25%, 0%
CMY	0.2941, 0.7451, 1.0000
CMYK	0.00, 0.64, 1.00, 0.29
HSL	22°, 100%, 35%
HSV	22°, 100%, 71%
XYZ	20.7127, 13.4839, 1.5110
YIQ	91.9750, 89.4050, 4.1650

Conversions

Conversions Part 2

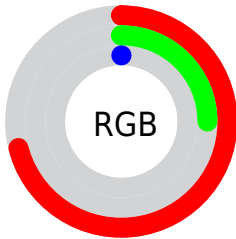
Format	Color
R_{YB}	180, 102, 0
Decimal	11813120
CIE _{Lab}	43.48, 44.49, 54.50
CIE _{LCh}	43, 70.352, 50.771
Yxy	13.4839, 0.5801, 0.3776
Android (android.graphics.Color)	4290003200 (0xFFB44100)
YUV	91.9750, -45.3437, 77.1979
Hunter-Lab	36.7204, 36.4248, 23.2646

Details

The XYZ color **20.7127, 13.4839, 1.5110** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.3684, 15.5557, 45.4249**, and the grayscale version is **10.2544, 10.7884, 11.7486**.

A 20% lighter version of the original color is **44.0372, 32.0628, 7.6091**, and **7.6512, 4.0088, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **20.7128, 13.4844, 1.5111**, and if you desaturate by 10%, it is **21.5510, 14.9859, 2.3291**.

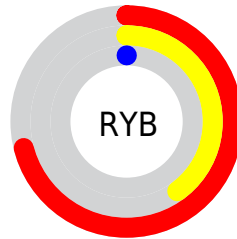
Distribution



Red (71%)

Green (25%)

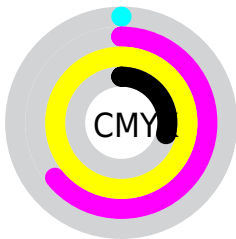
Blue (0%)



Red (71%)

Yellow (40%)

Blue (0%)

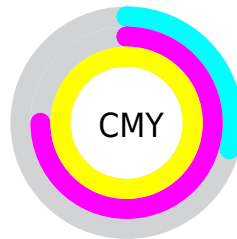


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7127, 13.4839, 1.5110 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 20.7127, 13.4839, 1.5110 by changing the saturation by 10% instead.

■ 20.7127, 13.4839,
1.5110

■ 20.7127, 13.4839,
1.5110

■ 248.5084,
213.9961, 114.2508

■ 13.0254, 7.7626,
0.2261

■ 44.1038, 32.1704,
7.6548

■ 7.5232, 3.9434,
0.0000

■ 60.5383, 45.9045,
13.5231

■ 3.8406, 1.6420,
0.0000

■ 80.6193, 63.0782,
21.8137

■ 1.6124, 0.3856,
0.0000

■ 104.7120, 84.0760,
32.9452

■ 0.4004, 0.0000,
0.0000


■ 133.1820,
109.2823, 47.3361


■ 0.0000, 0.0000,
0.0000


■ 166.3945,


139.0815, 65.4050


 204.7148,
173.8579, 87.5704


 20.7127, 13.4839,
1.5110


 20.7127, 13.4839,
1.5110

 20.7128, 13.4844,
1.5111

 21.5510, 14.9859,
2.3291

 22.6310, 16.8111,
3.7214

 23.9981, 18.9894,
5.8909

 25.6771, 21.5412,
8.9360

 27.6895, 24.4848,
12.9402

■ 30.0548, 27.8373,
17.9773

■ 32.7908, 31.6147,
24.1137

■ 35.9140, 35.8318,
31.4102

■ 39.4396, 40.5030,
39.9230

Harmonies

Analogous

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



25.4272, 13.4839, 6.3621



20.7127, 13.4839, 1.5110



14.5836, 13.4839, 0.3866

Triad

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



20.7127, 13.4839, 1.5110



4.9685, 13.4839, 10.3495



16.9332, 13.4839, 64.9247

Complementary

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



20.7127, 13.4839, 1.5110



14.3684, 15.5557, 45.4249

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.



11.1974, 13.4839, 69.2544



20.7127, 13.4839, 1.5110



5.2662, 13.4839, 28.2143

Square

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



20.7127, 13.4839, 1.5110



6.2579, 13.4839, 2.6646



7.2349, 13.4839, 52.7250



22.8481, 13.4839, 43.2777

Rectangle

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



20.7127, 13.4839, 1.5110



10.9439, 13.4839, 0.4096



7.2349, 13.4839, 52.7250



14.8904, 13.4839, 68.8581

Sweetspot

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



20.7130, 13.4847, 1.5112



59.1847, 56.9524, 43.0998



22.0332, 10.9877, 17.7894



12.3324, 11.6785, 8.2737



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.



20.7130, 13.4847, 1.5112



37.3558, 24.0477, 2.6728



30.2135, 32.4857, 4.6780



8.7392, 8.9910, 8.9274



14.5152, 9.5289, 1.0742



0.5133, 0.4130, 0.0527

Inverse Universe

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



14.3684, 15.5557, 45.4249



25.8243, 27.7483, 82.2895



8.6302, 4.0793, 43.5122



8.4794, 9.1050, 10.8169



10.0937, 10.9877, 31.7258



0.3705, 0.4516, 1.0159

Previews

White Background



This preview shows how the XYZ color 20.7127, 13.4839, 1.5110 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 20.7127, 13.4839, 1.5110

Background



This preview shows how black text looks on a background with the XYZ color 20.7127, 13.4839, 1.5110.



This preview shows how white text looks on a background with the XYZ color 20.7127, 13.4839,

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

20.7127, 13.4839, 1.5110

Protanopia

12.3956, 13.7262, 2.5684

Deuteranopia

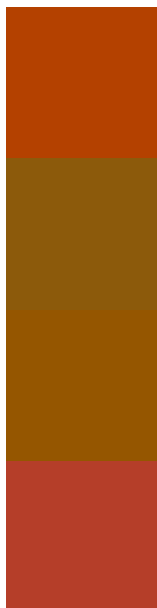
13.7278, 13.5607, 1.8939



Tritanopia

21.6502, 13.5314, 6.3212

Trichromacy



Original Color

20.7127, 13.4839, 1.5110

Protanomaly

14.5318, 12.9119, 2.0430

Deuteranomaly

15.7222, 13.0451, 1.6893

Tritanomaly

21.1789, 13.4291, 3.5736

Monochromacy



Original Color

20.7127, 13.4839, 1.5110

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.1189, 10.6354, 5.5518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7127, 13.4839, 1.5110 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(180, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 65, 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(180, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7127, 13.4839, 1.5110 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(180, 65, 0) }
```


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

```
.border{ border-color:rgb(180, 65, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 65, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7127, 13.4839, 1.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 65, 0) }
```

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

```
.background{ background-color: rgb(180, 65,  
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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