

Converting Colors

XYZ(21.0703, 14.5848, 2.1301)

Have a look what the booklet for
XYZ(21.0703, 14.5848, 2.1301)
contains.

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Color

**XYZ(20.9554, 14.5288,
2.1153)**

Conversions

Conversions Part 1

Format	Color
Hex	B24B0E
RGB	178, 75, 14
RGB Percent	70%, 29%, 5%
CMY	0.3020, 0.7059, 0.9451
CMYK	0.00, 0.58, 0.92, 0.30
HSL	22°, 85%, 38%
HSV	22°, 92%, 70%
XYZ	20.9554, 14.5288, 2.1153
YIQ	98.8430, 80.9690, 2.8650

Conversions

Conversions Part 2

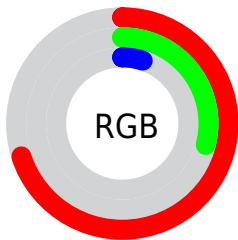
Format	Color
RYB	178, 111, 14
Decimal	11684622
CIELab	44.98, 39.20, 51.38
CIElCh	45, 64.626, 52.654
Yxy	14.5288, 0.5573, 0.3864
Android (android.graphics.Color)	4289874702 (0xFFB24B0E)
YUV	98.8430, -41.8276, 69.4207
Hunter-Lab	38.1167, 31.4298, 23.3913

Details

The XYZ color **20.9554, 14.5288, 2.1153** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.5776, 16.0290, 44.4447**, and the grayscale version is **11.9084, 12.5286, 13.6436**.

A 20% lighter version of the original color is **44.5079, 34.0974, 9.3899**, and **7.7776, 4.4643, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **20.3206, 13.3863, 1.5128**, and if you desaturate by 10%, it is **21.9605, 16.2533, 3.3322**.

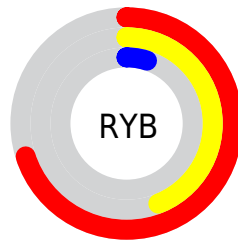
Distribution



Red (70%)

Green (29%)

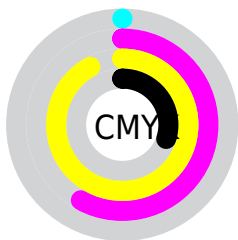
Blue (5%)



Red (70%)

Yellow (44%)

Blue (5%)

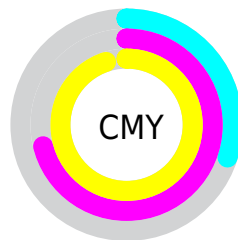


Cyan (0%)

Magenta (58%)

Yellow (92%)

Black (30%)



Cyan (30%)

Magenta (71%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9554, 14.5288, 2.1153 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 20.9554, 14.5288, 2.1153 by changing the saturation by 10% instead.

■ 20.9554, 14.5288,
2.1153

■ 20.9554, 14.5288,
2.1153

249.7776,
220.4962, 124.1422

■ 13.2037, 8.4894,
0.6249

■ 44.5051, 34.0244,
9.3537

■ 7.6469, 4.4096,
0.0000

■ 61.0339, 48.2494,
15.9770

■ 3.9198, 1.9052,
0.0000

■ 81.2190, 65.9716,
25.1611

■ 1.6568, 0.5515,
0.0000

■ 105.4258, 87.5756,
37.3245


■ 0.4290, 0.0000,
0.0000


■ 134.0197,
113.4456, 52.8858


■ 0.0000, 0.0000,
0.0000


■ 167.3661,


143.9661, 72.2634


 205.8303,
179.5215, 95.8761


 20.9554, 14.5288,
2.1153


 20.9554, 14.5288,
2.1153


 20.3206, 13.3863,
1.5128

 21.9605, 16.2533,
3.3322

 23.2355, 18.3085,
5.2820

 24.8051, 20.7148,
8.0646

 26.6906, 23.4899,
11.7636

 28.9110, 26.6498,
16.4525

■ 31.4836, 30.2098,
22.1971

■ 34.4243, 34.1839,
29.0574

■ 37.7482, 38.5858,
37.0892

■ 41.4693, 43.4282,
46.3441

Harmonies

Analogous

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



25.5029, 14.5288, 7.0341



20.9554, 14.5288, 2.1153



15.1530, 14.5288, 0.9410

Triad

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



20.9554, 14.5288, 2.1153



5.9704, 14.5288, 12.3749



18.1154, 14.5288, 60.8964

Complementary

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



20.9554, 14.5288, 2.1153



14.5776, 16.0290, 44.4447

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.



12.5473, 14.5288, 65.9707



20.9554, 14.5288, 2.1153



6.3810, 14.5288, 29.9243

Square

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



20.9554, 14.5288, 2.1153



7.1915, 14.5288, 3.9018



8.5061, 14.5288, 52.1865



23.5922, 14.5288, 40.9334

Rectangle

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



20.9554, 14.5288, 2.1153



11.6960, 14.5288, 1.0145



8.5061, 14.5288, 52.1865



16.1627, 14.5288, 64.7630

Sweetspot

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



20.9557, 14.5296, 2.1155



58.9614, 57.3257, 44.5534



21.7791, 11.0839, 18.0896



12.5800, 12.0428, 8.7603



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.



20.9557, 14.5296, 2.1155



36.6483, 23.8708, 2.6760



30.3500, 33.3182, 5.2470



8.7467, 9.0059, 8.9298



14.5957, 9.6900, 1.1011



0.5163, 0.4190, 0.0537

Inverse Universe

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



14.5776, 16.0290, 44.4447



24.8100, 26.3039, 80.1507



8.8438, 4.5615, 42.5334



8.4717, 9.0895, 10.8143



9.9405, 10.6814, 31.6748



0.3664, 0.4434, 1.0145

Previews

White Background



This preview shows how the XYZ color 20.9554, 14.5288, 2.1153 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 20.9554, 14.5288, 2.1153 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 20.9554, 14.5288, 2.1153

Background



This preview shows how black text looks on a background with the XYZ color 20.9554, 14.5288, 2.1153.



This preview shows how white text looks on a background with the XYZ color 20.9554, 14.5288,

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

20.9554, 14.5288, 2.1153

Protanopia

13.2975, 14.6422, 2.9360

Deuteranopia

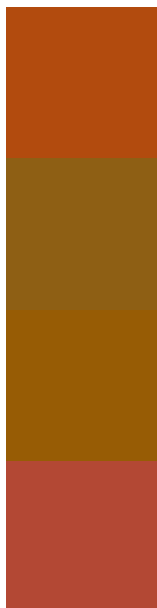
14.7430, 14.6536, 2.0514



Tritanopia

22.2486, 14.5780, 8.1198

Trichromacy



Original Color

20.9554, 14.5288, 2.1153

Protanomaly

15.3738, 13.9857, 2.5510

Deuteranomaly

16.6170, 14.2446, 2.0172

Tritanomaly

21.5276, 14.4664, 4.9065

Monochromacy



Original Color

20.9554, 14.5288, 2.1153

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.6016, 12.3189, 7.1297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9554, 14.5288, 2.1153 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, 75, 14)` looks like.

```
.text, #text, p{  
    color:rgb(178, 75, 14)  
}
```

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, 75, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 75, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.9554, 14.5288, 2.1153 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, 75, 14) }
```


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

```
.border{ border-color:rgb(178, 75, 14) }
```

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

Here you see how a box with a 4 pixel rgb(178, 75, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 75, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 75, 14);  
box-shadow:4px 4px 4px 4px rgb(178, 75,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9554, 14.5288, 2.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 75, 14) }
```

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

```
.background{ background-color: rgb(178, 75,  
14) }
```

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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