

Converting Colors

XYZ(21.1366, 14.2597, 1.6384)

Have a look what the booklet for
XYZ(21.1366, 14.2597, 1.6384)
contains.

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Color

**XYZ(21.0756, 14.2098,
1.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	B44700
RGB	180, 71, 0
RGB Percent	71%, 28%, 0%
CMY	0.2941, 0.7215, 1.0000
CMYK	0.00, 0.61, 1.00, 0.29
HSL	24°, 100%, 35%
HSV	24°, 100%, 71%
XYZ	21.0756, 14.2098, 1.6320
YIQ	95.4970, 87.7550, 1.0270

Conversions

Conversions Part 2

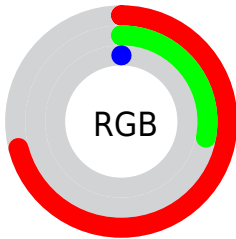
Format	Color
R_{YB}	180, 117, 0
Decimal	11814656
CIE Lab	44.53, 41.72, 55.05
CIE LCh	45, 69.075, 52.846
Yxy	14.2098, 0.5709, 0.3849
Android (android.graphics.Color)	4290004736 (0xFFB44700)
YUV	95.4970, -47.0800, 74.1091
Hunter-Lab	37.6959, 33.8307, 23.8202

Details

The XYZ color **21.0756, 14.2098, 1.6320** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.7064, 14.2317, 45.2041**, and the grayscale version is **11.0925, 11.6702, 12.7088**.

A 20% lighter version of the original color is **44.7836, 33.5160, 7.9798**, and **7.7930, 4.2925, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **21.0757, 14.2103, 1.6320**, and if you desaturate by 10%, it is **21.9417, 15.7674, 2.4594**.

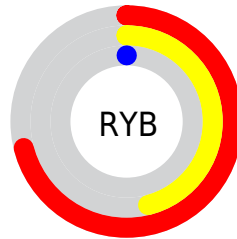
Distribution



Red (71%)

Green (28%)

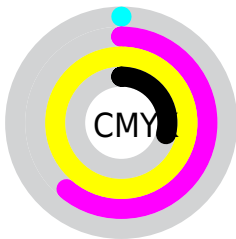
Blue (0%)



Red (71%)

Yellow (46%)

Blue (0%)

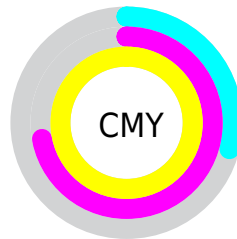


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0756, 14.2098, 1.6320 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 21.0756, 14.2098, 1.6320 by changing the saturation by 10% instead.


 21.0756, 14.2098,
1.6320


 21.0756, 14.2098,
1.6320


 250.4041,
218.5321, 116.3721


 13.2921, 8.2667,
0.3135


 44.7036, 33.4608,
8.0079

 7.7083, 4.2661,
0.0000


 61.2789, 47.5376,
14.0377


 3.9591, 1.8235,
0.0000

 81.5153, 65.0943,
22.5203

 1.6790, 0.5018,
0.0000

 105.7784, 86.5155,
33.8740

 0.4431, 0.0000,
0.0000


 134.4335,
112.1855, 48.5176


 0.0000, 0.0000,
0.0000


 167.8459,


142.4886, 66.8694


 206.3810,
177.8094, 89.3480


 21.0756, 14.2098,
1.6320


 21.0756, 14.2098,
1.6320


 21.0757, 14.2103,
1.6320

 21.9417, 15.7674,
2.4594

 23.0380, 17.6253,
3.8572

 24.4089, 19.8111,
6.0280

 26.0778, 22.3427,
9.0697

 28.0655, 25.2368,
13.0657

■ 30.3903, 28.5083,
18.0894

■ 33.0693, 32.1716,
24.2068

■ 36.1180, 36.2399,
31.4784

■ 39.5511, 40.7260,
39.9604

Harmonies

Analogous

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



25.9992, 14.2098, 6.3469



21.0756, 14.2098, 1.6320



14.8863, 14.2098, 0.5762

Triad

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



21.0756, 14.2098, 1.6320



5.4137, 14.2098, 11.9530



18.1136, 14.2098, 64.5613

Complementary

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



21.0756, 14.2098, 1.6320



13.7064, 14.2317, 45.2041

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.



12.2137, 14.2098, 70.3531



21.0756, 14.2098, 1.6320



5.8363, 14.2098, 30.7274

Square

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



21.0756, 14.2098, 1.6320



6.6336, 14.2098, 3.3464



8.0081, 14.2098, 55.1445



23.9863, 14.2098, 42.4309

Rectangle

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



21.0756, 14.2098, 1.6320



11.2587, 14.2098, 0.6595



8.0081, 14.2098, 55.1445



16.0341, 14.2098, 68.9090

Sweetspot

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



21.0759, 14.2106, 1.6322



59.6957, 57.9743, 43.2701



21.6915, 10.8510, 15.9904



12.4527, 11.9193, 8.3139



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.



21.0759, 14.2106, 1.6322



38.0034, 25.3429, 2.8887



31.2203, 34.4994, 5.0137



8.7622, 9.0370, 8.9350



14.7714, 10.0413, 1.1596



0.5225, 0.4314, 0.0557

Inverse Universe

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



13.7064, 14.2317, 45.2041



24.6191, 25.3379, 81.8878



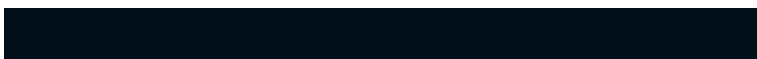
8.5064, 3.8317, 43.4708



8.4557, 9.0576, 10.8090



9.6331, 10.0665, 31.5723



0.3580, 0.4266, 1.0117

Previews

White Background



This preview shows how the XYZ color 21.0756, 14.2098, 1.6320 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 21.0756, 14.2098, 1.6320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

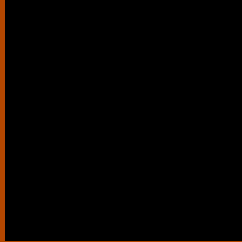
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0756, 14.2098, 1.6320

Background



This preview shows how black text looks on a background with the XYZ color 21.0756, 14.2098, 1.6320.



This preview shows how white text looks on a background with the XYZ color 21.0756, 14.2098,

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

21.0756, 14.2098, 1.6320

Protanopia

13.0089, 14.3448, 2.6554

Deuteranopia

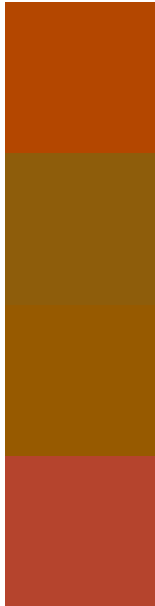
14.4852, 14.3757, 2.0113



Tritanopia

22.3451, 14.2837, 7.3737

Trichromacy



Original Color

21.0756, 14.2098, 1.6320

Protanomaly

15.1301, 13.6036, 2.1449

Deuteranomaly

16.4187, 13.8916, 1.8160

Tritanomaly

21.5968, 14.1475, 4.0751

Monochromacy



Original Color

21.0756, 14.2098, 1.6320

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.0029, 11.6653, 5.9812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0756, 14.2098, 1.6320 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 71, 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, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0756, 14.2098, 1.6320 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, 71, 0) }
```


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

```
.border{ border-color:rgb(180, 71, 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, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0756, 14.2098, 1.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 71, 0) }
```

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

```
.background{ background-color: rgb(180, 71,  
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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