

Converting Colors

XYZ(21.2124, 14.3182, 1.6031)

Have a look what the booklet for
XYZ(21.2124, 14.3182, 1.6031)
contains.

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Color

**XYZ(21.3093, 14.3302,
1.6429)**

Conversions

Conversions Part 1

Format	Color
Hex	B54700
RGB	181, 71, 0
RGB Percent	71%, 28%, 0%
CMY	0.2902, 0.7215, 1.0000
CMYK	0.00, 0.61, 1.00, 0.29
HSL	24°, 100%, 35%
HSV	24°, 100%, 71%
XYZ	21.3093, 14.3302, 1.6429
YIQ	95.7960, 88.3510, 1.2390

Conversions

Conversions Part 2

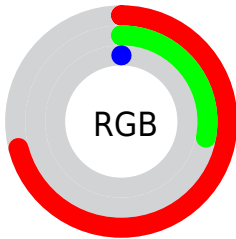
Format	Color
R_{YB}	181, 117, 0
Decimal	11880192
CIE Lab	44.70, 42.10, 55.24
CIE LCh	45, 69.452, 52.689
Yxy	14.3302, 0.5716, 0.3844
Android (android.graphics.Color)	4290070272 (0xFFB54700)
YUV	95.7960, -47.2274, 74.7239
Hunter-Lab	37.8553, 34.2337, 23.9255

Details

The XYZ color **21.3093, 14.3302, 1.6429** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.9160, 14.4873, 45.7786**, and the grayscale version is **11.1652, 11.7467, 12.7921**.

A 20% lighter version of the original color is **45.1297, 33.6944, 7.9960**, and **7.9310, 4.3637, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **21.3094, 14.3307, 1.6430**, and if you desaturate by 10%, it is **22.1837, 15.9032, 2.4771**.

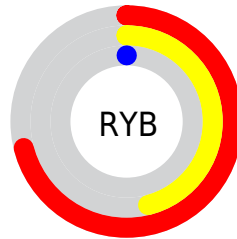
Distribution



Red (71%)

Green (28%)

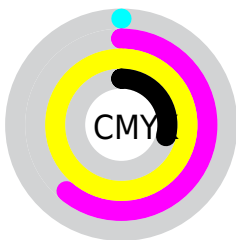
Blue (0%)



Red (71%)

Yellow (46%)

Blue (0%)

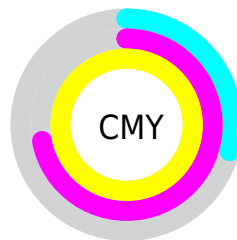


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3093, 14.3302, 1.6429 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 21.3093, 14.3302, 1.6429 by changing the saturation by 10% instead.

21.3093, 14.3302,
1.6429

21.3093, 14.3302,
1.6429

251.6184,
219.2755, 116.5592

13.4640, 8.3507,
0.3212

45.0891, 33.6738,
8.0393

7.8280, 4.3202,
0.0000

61.7544, 47.8066,
14.0834

4.0360, 1.8542,
0.0000

82.0904, 65.4260,
22.5829

1.7225, 0.5206,
0.0000

106.4624, 86.9164,
33.9562

0.4703, 0.0000,
0.0000


135.2359,
112.6622, 48.6220


0.0000, 0.0000,
0.0000


168.7762,


143.0477, 66.9987


 207.4486,
178.4573, 89.5049


 21.3093, 14.3302,
1.6429


 21.3093, 14.3302,
1.6429


 21.3094, 14.3307,
1.6430

 22.1837, 15.9032,
2.4771

 23.2923, 17.7820,
3.8900

 24.6798, 19.9946,
6.0861

 26.3701, 22.5594,
9.1647

 28.3843, 25.4933,
13.2103

■ 30.7411, 28.8117,
18.2973

■ 33.4578, 32.5291,
24.4928

■ 36.5502, 36.6592,
31.8581

■ 40.0332, 41.2148,
40.4502

Harmonies

Analogous

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



26.2779, 14.3302, 6.4268



21.3093, 14.3302, 1.6429



15.0479, 14.3302, 0.5724

Triad

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



21.3093, 14.3302, 1.6429



5.4463, 14.3302, 11.9745



18.2470, 14.3302, 65.3889

Complementary

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



21.3093, 14.3302, 1.6429



13.9160, 14.4873, 45.7786

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.



12.2862, 14.3302, 71.1415



21.3093, 14.3302, 1.6429



5.8642, 14.3302, 30.9131

Square

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



21.3093, 14.3302, 1.6429



6.6870, 14.3302, 3.3327



8.0471, 14.3302, 55.6423



24.1963, 14.3302, 43.0206

Rectangle

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



21.3093, 14.3302, 1.6429



11.3743, 14.3302, 0.6515



8.0471, 14.3302, 55.6423



16.1444, 14.3302, 69.7592

Sweetspot

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



21.3096, 14.3310, 1.6431



59.6620, 57.9069, 43.2588



21.9594, 10.9851, 16.1808



12.4448, 11.9034, 8.3112



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.



21.3096, 14.3310, 1.6431



37.9589, 25.2539, 2.8738



31.6065, 34.9249, 5.0754



8.7607, 9.0339, 8.9345



14.7538, 10.0062, 1.1538



0.5219, 0.4302, 0.0555

Inverse Universe

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



13.9160, 14.4873, 45.7786



24.6955, 25.4907, 81.9132



8.6109, 3.8769, 44.0102



8.4572, 9.0607, 10.8095



9.6623, 10.1250, 31.5821



0.3588, 0.4282, 1.0120

Previews

White Background



This preview shows how the XYZ color 21.3093, 14.3302, 1.6429 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 21.3093, 14.3302, 1.6429 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 21.3093, 14.3302, 1.6429

Background



This preview shows how black text looks on a background with the XYZ color 21.3093, 14.3302, 1.6429.



This preview shows how white text looks on a background with the XYZ color 21.3093, 14.3302,

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

21.3093, 14.3302, 1.6429

Protanopia

13.1126, 14.5521, 2.6900

Deuteranopia

14.6454, 14.4583, 2.0188



Tritanopia

22.5821, 14.4059, 7.3848

Trichromacy



Original Color

21.3093, 14.3302, 1.6429

Protanomaly

15.2184, 13.7804, 2.1744

Deuteranomaly

16.6051, 13.9877, 1.8247

Tritanomaly

21.8322, 14.2688, 4.0861

Monochromacy



Original Color

21.3093, 14.3302, 1.6429

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 21.3093, 14.3302, 1.6429 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3093, 14.3302, 1.6429 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, 71, 0) }
```


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

```
.border{ border-color:rgb(181, 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(181, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3093, 14.3302, 1.6429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 71, 0) }
```

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

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