

Converting Colors

XYZ(18.3185, 12.3623, 1.4207)

Have a look what the booklet for
XYZ(18.3185, 12.3623, 1.4207)
contains.

XYZ(18.3104, 12.3314, 1.4151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3104, 12.3314,
1.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	A94200
RGB	169, 66, 0
RGB Percent	66%, 26%, 0%
CMY	0.3373, 0.7412, 1.0000
CMYK	0.00, 0.61, 1.00, 0.34
HSL	23°, 100%, 33%
HSV	23°, 100%, 66%
XYZ	18.3104, 12.3314, 1.4151
YIQ	89.2730, 82.5740, 1.3100

Conversions

Conversions Part 2

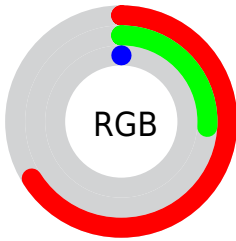
Format	Color
R_{YB}	169, 108, 0
Decimal	11092480
CIE Lab	41.74, 39.90, 52.53
CIE LCh	42, 65.963, 52.777
Yxy	12.3314, 0.5712, 0.3847
Android (android.graphics.Color)	4289282560 (0xFFA94200)
YUV	89.2730, -44.0116, 69.9206
Hunter-Lab	35.1161, 31.6212, 22.1920

Details

The XYZ color **18.3104, 12.3314, 1.4151** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.0112, 12.5641, 39.3279**, and the grayscale version is **9.6384, 10.1403, 11.0428**.

A 20% lighter version of the original color is **40.0059, 29.9873, 7.2940**, and **6.4263, 3.4906, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **18.3106, 12.3320, 1.4152**, and if you desaturate by 10%, it is **19.0680, 13.6862, 2.1630**.

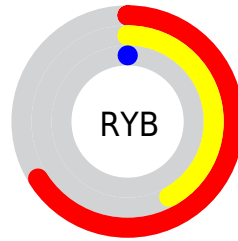
Distribution



Red (66%)

Green (26%)

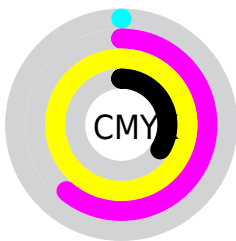
Blue (0%)



Red (66%)

Yellow (42%)

Blue (0%)

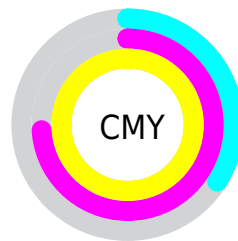


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3104, 12.3314, 1.4151 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 18.3104, 12.3314, 1.4151 by changing the saturation by 10% instead.


 18.3104, 12.3314,
1.4151


 18.3104, 12.3314,
1.4151


 235.6267,
206.5871, 112.5073


 11.2741, 6.9698,
0.1535


 40.0915, 30.0973,
7.3693

 6.3202, 3.4432,
0.0000


 55.5670, 43.2703,
13.1050


 3.0832, 1.3673,
0.0000

 74.5863, 59.8160,
21.2378

 1.1979, 0.1924,
0.0000

 97.5147, 80.1186,
32.1862

 0.1047, 0.0000,
0.0000


 124.7176,
104.5626, 46.3689


 0.0000, 0.0000,
0.0000


 156.5603,


133.5325, 64.2042


 193.4082,
167.4125, 86.1109


 18.3104, 12.3314,
1.4151


 18.3104, 12.3314,
1.4151


 18.3106, 12.3320,
1.4152

 19.0680, 13.6862,
2.1630

 20.0243, 15.3019,
3.3966

 21.2189, 17.2031,
5.2997

 22.6723, 19.4054,
7.9559

 24.4021, 21.9231,
11.4363

■ 26.4242, 24.7694,
15.8035

■ 28.7532, 27.9564,
21.1142

■ 31.4024, 31.4959,
27.4202

■ 34.3846, 35.3988,
34.7696

Harmonies

Analogous

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



22.5845, 12.3314, 5.5176



18.3104, 12.3314, 1.4151



12.9318, 12.3314, 0.4560

Triad

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



18.3104, 12.3314, 1.4151



4.6930, 12.3314, 10.3429



15.7116, 12.3314, 56.1331

Complementary

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



18.3104, 12.3314, 1.4151



12.0112, 12.5641, 39.3279

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.



10.5875, 12.3314, 61.1263



18.3104, 12.3314, 1.4151



5.0566, 12.3314, 26.6377

Square

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



18.3104, 12.3314, 1.4151



5.7556, 12.3314, 2.8882



6.9386, 12.3314, 47.8671



20.8182, 12.3314, 36.9087

Rectangle

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



18.3104, 12.3314, 1.4151



9.7779, 12.3314, 0.5336



6.9386, 12.3314, 47.8671



13.9050, 12.3314, 59.9008

Sweetspot

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



18.3107, 12.3321, 1.4153



51.2570, 49.7460, 37.2587



18.8718, 9.4389, 13.9818



10.7934, 10.3278, 7.2481



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3107, 12.3321, 1.4153



32.6037, 21.7066, 2.4714



27.1544, 30.0196, 4.3632



7.7624, 8.0050, 7.9253



13.6959, 9.2890, 1.0711



0.3832, 0.3259, 0.0427

Inverse Universe

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



12.0112, 12.5641, 39.3279



21.3024, 22.0837, 70.3649



7.4066, 3.3550, 37.7931



7.4979, 8.0327, 9.5736



9.0050, 9.4702, 29.3288



0.2666, 0.3255, 0.7294

Previews

White Background



This preview shows how the XYZ color 18.3104, 12.3314, 1.4151 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 18.3104, 12.3314, 1.4151

Background



This preview shows how black text looks on a background with the XYZ color 18.3104, 12.3314, 1.4151.



This preview shows how white text looks on a background with the XYZ color 18.3104, 12.3314,

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

18.3104, 12.3314, 1.4151

Protanopia

11.3404, 12.5996, 2.3646

Deuteranopia

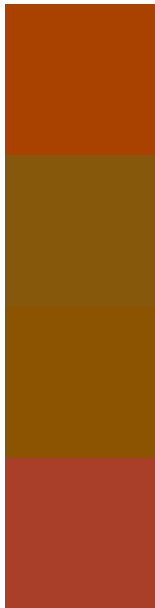
12.4602, 12.3654, 1.7300



Tritanopia

19.2004, 12.2652, 6.3565

Trichromacy



Original Color

18.3104, 12.3314, 1.4151

Protanomaly

13.2230, 11.9902, 1.9340

Deuteranomaly

14.1548, 12.0034, 1.5708

Tritanomaly

18.7553, 12.2612, 3.4759

Monochromacy



Original Color

18.3104, 12.3314, 1.4151

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.1522, 10.0318, 5.2194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3104, 12.3314, 1.4151 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(169, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 66, 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(169, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3104, 12.3314, 1.4151 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(169, 66, 0) }
```


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

```
.border{ border-color:rgb(169, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3104, 12.3314, 1.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 66, 0) }
```

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

```
.background{ background-color: rgb(169, 66,  
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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