

Converting Colors

XYZ(17.9022, 12.7996, 0.8524)

Have a look what the booklet for
XYZ(17.9022, 12.7996, 0.8524)
contains.

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Color

**XYZ(18.1084, 12.8721,
1.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	A64900
RGB	166, 73, 0
RGB Percent	65%, 29%, 0%
CMY	0.3490, 0.7137, 1.0000
CMYK	0.00, 0.56, 1.00, 0.35
HSL	26°, 100%, 33%
HSV	26°, 100%, 65%
XYZ	18.1084, 12.8721, 1.5301
YIQ	92.4850, 78.8610, -2.9870

Conversions

Conversions Part 2

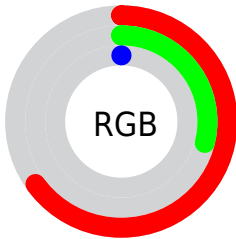
Format	Color
RYB	166, 130, 0
Decimal	10897664
CIELab	42.57, 35.25, 52.72
CIELCh	43, 63.419, 56.231
Yxy	12.8721, 0.5570, 0.3959
Android (android.graphics.Color)	4289087744 (0xFFA64900)
YUV	92.4850, -45.5951, 64.4727
Hunter-Lab	35.8777, 27.3075, 22.5858

Details

The XYZ color **18.1084, 12.8721, 1.5301** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7967, 10.5809, 37.5493**, and the grayscale version is **10.3749, 10.9152, 11.8866**.

A 20% lighter version of the original color is **39.9411, 31.2047, 7.7889**, and **6.2503, 3.6770, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **18.1086, 12.8727, 1.5303**, and if you desaturate by 10%, it is **18.8642, 14.2269, 2.2659**.

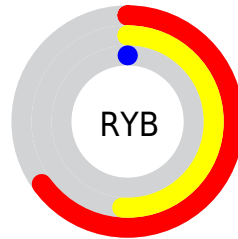
Distribution



Red (65%)

Green (29%)

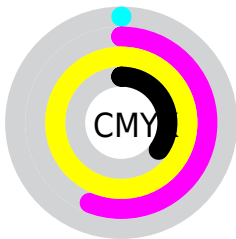
Blue (0%)



Red (65%)

Yellow (51%)

Blue (0%)

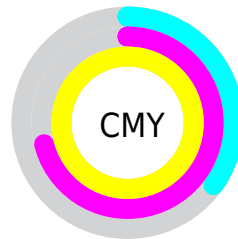


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1084, 12.8721, 1.5301 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 18.1084, 12.8721, 1.5301 by changing the saturation by 10% instead.


 18.1084, 12.8721,
1.5301


 18.1084, 12.8721,
1.5301


 234.5151,
210.0963, 114.5912


 11.1280, 7.3405,
0.2402


 39.7506, 31.0738,
7.7110


 6.2209, 3.6760,
0.0000


 55.1431, 44.5128,
13.6052

 3.0218, 1.4940,
0.0000

 74.0703, 61.3563,
21.9267

 1.1653, 0.2845,
0.0000

 96.8977, 81.9888,
33.0939

 0.0787, 0.0000,
0.0000


 123.9905,
106.7946, 47.5254


 0.0000, 0.0000,
0.0000


 155.7141,


136.1582, 65.6398


 192.4338,
170.4640, 87.8555


 18.1084, 12.8721,
1.5301


 18.1084, 12.8721,
1.5301


 18.1086, 12.8727,
1.5303

 18.8642, 14.2269,
2.2659

 19.7961, 15.8039,
3.4608

 20.9416, 17.6243,
5.2933

 22.3189, 19.7009,
7.8428

 23.9440, 22.0452,
11.1770

■ 25.8310, 24.6678,
15.3555

■ 27.9929, 27.5788,
20.4322

■ 30.4418, 30.7873,
26.4563

■ 33.1890, 34.3024,
33.4736

Harmonies

Analogous

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



22.5089, 12.8721, 5.2841



18.1084, 12.8721, 1.5301



12.8506, 12.8721, 0.7072

Triad

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



18.1084, 12.8721, 1.5301



5.1478, 12.8721, 12.3506



16.7791, 12.8721, 53.5514

Complementary

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



18.1084, 12.8721, 1.5301



10.7967, 10.5809, 37.5493

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.



11.6385, 12.8721, 60.3252



18.1084, 12.8721, 1.5301



5.6876, 12.8721, 29.2264

Square

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



18.1084, 12.8721, 1.5301



6.0591, 12.8721, 3.8654



7.7919, 12.8721, 49.4206



21.6112, 12.8721, 34.4127

Rectangle

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



18.1084, 12.8721, 1.5301



9.8341, 12.8721, 0.8743



7.7919, 12.8721, 49.4206



14.9970, 12.8721, 57.7294

Sweetspot

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



18.1087, 12.8728, 1.5303



50.5725, 49.7444, 36.5240



17.7491, 8.9163, 11.3909



10.9498, 10.6406, 7.3002



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.



18.1087, 12.8728, 1.5303



32.6626, 22.9566, 2.7096



27.4359, 31.5272, 4.6394



7.7924, 8.0649, 7.9353



14.0876, 10.0724, 1.2017



0.3941, 0.3477, 0.0463

Inverse Universe

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



10.7967, 10.5809, 37.5493



19.3810, 18.7749, 68.0777



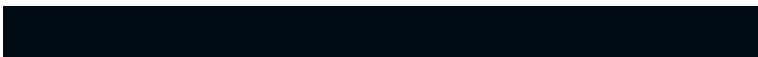
7.0033, 2.9941, 36.2848



7.4673, 7.9714, 9.5634



8.4195, 8.2992, 29.1336



0.2545, 0.3012, 0.7254

Previews

White Background



This preview shows how the XYZ color 18.1084, 12.8721, 1.5301 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 18.1084, 12.8721, 1.5301

Background



This preview shows how black text looks on a background with the XYZ color 18.1084, 12.8721, 1.5301.



This preview shows how white text looks on a background with the XYZ color 18.1084, 12.8721,

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

18.1084, 12.8721, 1.5301

Protanopia

11.7843, 13.1176, 2.4011

Deuteranopia

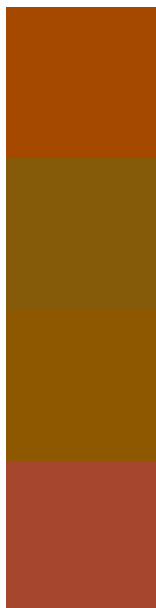
13.0850, 12.9549, 1.8109



Tritanopia

19.3853, 12.9270, 7.6043

Trichromacy



Original Color

18.1084, 12.8721, 1.5301

Protanomaly

13.4687, 12.4906, 1.9882

Deuteranomaly

14.6451, 12.7302, 1.6853

Tritanomaly

18.6197, 12.7931, 4.0727

Monochromacy



Original Color

18.1084, 12.8721, 1.5301

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.6457, 10.7347, 5.5959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1084, 12.8721, 1.5301 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(166, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 73, 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(166, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.1084, 12.8721, 1.5301 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(166, 73, 0) }
```


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

```
.border{ border-color:rgb(166, 73, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 73, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1084, 12.8721, 1.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 73, 0) }
```

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

```
.background{ background-color: rgb(166, 73,  
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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