

Converting Colors

XYZ(18.5940, 14.7660, 1.8701)

Have a look what the booklet for
XYZ(18.5940, 14.7660, 1.8701)
contains.

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Color

**XYZ(18.5940, 14.7660,
1.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	A35800
RGB	163, 88, 0
RGB Percent	64%, 35%, 0%
CMY	0.3608, 0.6549, 1.0000
CMYK	0.00, 0.46, 1.00, 0.36
HSL	32°, 100%, 32%
HSV	32°, 100%, 64%
XYZ	18.5940, 14.7660, 1.8701
YIQ	100.3930, 72.9480, -11.4680

Conversions

Conversions Part 2

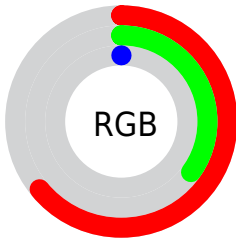
Format	Color
R_{YB}	139, 163, 0
Decimal	10704896
CIE _{Lab}	45.31, 25.98, 54.11
CIE _{LCh}	45, 60.023, 64.352
Yxy	14.7660, 0.5278, 0.4191
Android (android.graphics.Color)	4288894976 (0xFFA35800)
YUV	100.3930, -49.4937, 54.9063
Hunter-Lab	38.4266, 19.1269, 24.0131

Details

The XYZ color **18.5940, 14.7660, 1.8701** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.1268, 7.6762, 35.6507**, and the grayscale version is **12.3239, 12.9657, 14.1197**.

A 20% lighter version of the original color is **40.7625, 34.6283, 8.6732**, and **6.6186, 4.5891, 0.5370** is the 20% darker color. If you saturate the color by 10%, you get **18.5942, 14.7665, 1.8702**, and if you desaturate by 10%, it is **19.3378, 16.1005, 2.5907**.

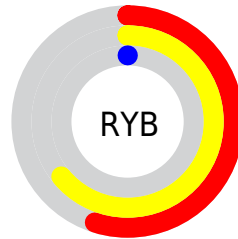
Distribution



Red (64%)

Green (35%)

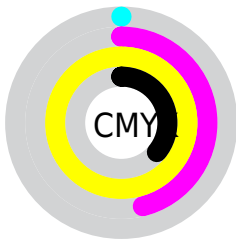
Blue (0%)



Red (55%)

Yellow (64%)

Blue (0%)

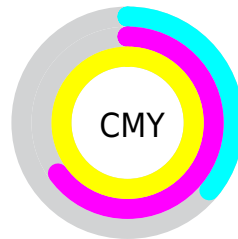


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5940, 14.7660, 1.8701 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 18.5940, 14.7660, 1.8701 by changing the saturation by 10% instead.

■ 18.5940, 14.7660,
1.8701

■ 18.5940, 14.7660,
1.8701

■ 237.1795,
221.9455, 120.3259

■ 11.4795, 8.6553,
0.4736

■ 40.5691, 34.4421,
8.6825

■ 6.4600, 4.5171,
0.0000

■ 56.1605, 48.7764,
15.0141

■ 3.1701, 1.9668,
0.0000

■ 75.3082, 66.6207,
23.8539

■ 1.2443, 0.5881,
0.0000

■ 98.3776, 88.3593,
35.6205

■ 0.1409, 0.0000,
0.0000


■ 125.7341,
114.3767, 50.7325


■ 0.0000, 0.0000,
0.0000


■ 157.7430,


145.0573, 69.6084


 194.7697,
180.7854, 92.6667


 18.5940, 14.7660,
1.8701


 18.5940, 14.7660,
1.8701

 18.5942, 14.7665,
1.8702

 19.3378, 16.1005,
2.5907

 20.2238, 17.5955,
3.7403

 21.2870, 19.2684,
5.4923

 22.5431, 21.1282,
7.9220

 24.0058, 23.1831,
11.0935

■ 25.6874, 25.4404,
15.0633

■ 27.5990, 27.9071,
19.8825

■ 29.7508, 30.5895,
25.5977

■ 32.1524, 33.4938,
32.2522

Harmonies

Analogous

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



23.5023, 14.7660, 5.0465



18.5940, 14.7660, 1.8701



13.3214, 14.7660, 1.3128

Triad

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



18.5940, 14.7660, 1.8701



6.4959, 14.7660, 18.2467



20.1517, 14.7660, 50.9430

Complementary

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



18.5940, 14.7660, 1.8701



9.1268, 7.6762, 35.6507

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.



14.7729, 14.7660, 61.7640



18.5940, 14.7660, 1.8701



7.5276, 14.7660, 37.0115

Square

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



18.5940, 14.7660, 1.8701



7.0587, 14.7660, 6.8982



10.2891, 14.7660, 55.5591



24.5405, 14.7660, 31.0838

Rectangle

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



18.5940, 14.7660, 1.8701



10.4493, 14.7660, 1.8084



10.2891, 14.7660, 55.5591



18.3585, 14.7660, 56.1596

Sweetspot

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



18.5943, 14.7668, 1.8704



49.2255, 49.7229, 35.0844



16.4111, 8.3093, 7.5889



10.7380, 10.7609, 7.0674



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.5943, 14.7668, 1.8704



33.0984, 26.0407, 3.2819



27.1125, 33.4194, 5.0217



7.3757, 7.6897, 7.4756



14.4971, 11.5680, 1.4688



0.3513, 0.3364, 0.0464

Inverse Universe

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



9.1268, 7.6762, 35.6507



16.1494, 13.3556, 63.7828



6.6789, 2.6795, 34.8153



6.9564, 7.3718, 8.9593



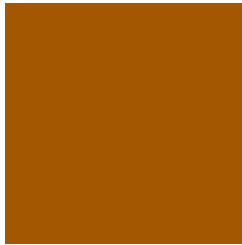
7.1376, 6.0547, 27.7223



0.1971, 0.2215, 0.5982

Previews

White Background



This preview shows how the XYZ color 18.5940, 14.7660, 1.8701 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 18.5940, 14.7660, 1.8701 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 18.5940, 14.7660, 1.8701

Background



This preview shows how black text looks on a background with the XYZ color 18.5940, 14.7660, 1.8701.



This preview shows how white text looks on a background with the XYZ color 18.5940, 14.7660,

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

18.5940, 14.7660, 1.8701

Protanopia

13.4612, 14.8918, 2.5457

Deuteranopia

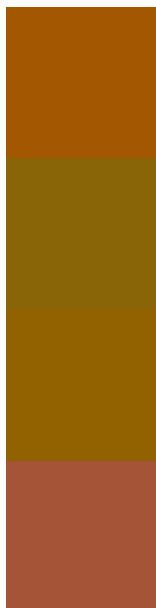
14.9047, 14.7370, 2.0590



Tritanopia

20.5046, 14.8462, 11.0174

Trichromacy



Original Color

18.5940, 14.7660, 1.8701

Protanomaly

15.0140, 14.6433, 2.2648

Deuteranomaly

16.1288, 14.6604, 1.9797

Tritanomaly

19.4012, 14.6255, 5.5418

Monochromacy



Original Color

18.5940, 14.7660, 1.8701

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2767, 12.9469, 6.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5940, 14.7660, 1.8701 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(163, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 88, 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(163, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.5940, 14.7660, 1.8701 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(163, 88, 0) }
```


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

```
.border{ border-color:rgb(163, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5940, 14.7660, 1.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 88, 0) }
```

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

```
.background{ background-color: rgb(163, 88,  
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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