

Converting Colors

XYZ(18.5988, 15.4915, 2.0099)

Have a look what the booklet for
XYZ(18.5988, 15.4915, 2.0099)
contains.

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Color

**XYZ(18.7006, 15.5825,
2.0221)**

Conversions

Conversions Part 1

Format	Color
Hex	A15E00
RGB	161, 94, 0
RGB Percent	63%, 37%, 0%
CMY	0.3686, 0.6314, 1.0000
CMYK	0.00, 0.42, 1.00, 0.37
HSL	35°, 100%, 32%
HSV	35°, 100%, 63%
XYZ	18.7006, 15.5825, 2.0221
YIQ	103.3170, 70.1060, -15.0300

Conversions

Conversions Part 2

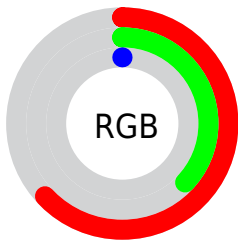
Format	Color
R_{YB}	115, 161, 0
Decimal	10575360
CIE Lab	46.42, 21.75, 54.66
CIE LCh	46, 58.829, 68.302
Yxy	15.5825, 0.5151, 0.4292
Android (android.graphics.Color)	4288765440 (0xFFA15E00)
YUV	103.3170, -50.9353, 50.5880
Hunter-Lab	39.4747, 15.4813, 24.5951

Details

The XYZ color **18.7006, 15.5825, 2.0221** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4401, 6.5874, 34.5444**, and the grayscale version is **13.0947, 13.7766, 15.0028**.

A 20% lighter version of the original color is **40.7598, 35.9492, 9.0656**, and **6.6100, 4.9166, 0.6006** is the 20% darker color. If you saturate the color by 10%, you get **18.7007, 15.5829, 2.0222**, and if you desaturate by 10%, it is **19.4171, 16.8648, 2.7262**.

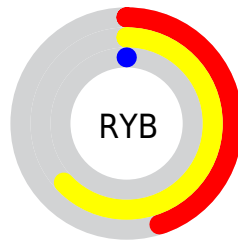
Distribution



Red (63%)

Green (37%)

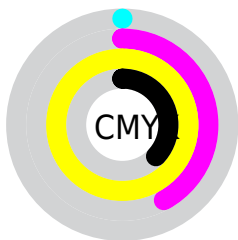
Blue (0%)



Red (45%)

Yellow (63%)

Blue (0%)

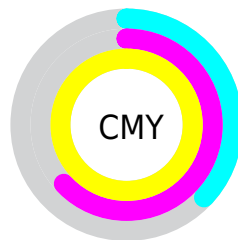


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7006, 15.5825, 2.0221 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 18.7006, 15.5825, 2.0221 by changing the saturation by 10% instead.


 18.7006, 15.5825,
2.0221


 18.7006, 15.5825,
2.0221


 237.7609,
226.8654, 122.7190


 11.5569, 9.2292,
0.5688


 40.7484, 35.8719,
9.1011


 6.5127, 4.8910,
0.0000


 56.3831, 50.5767,
15.6156

 3.2029, 2.1834,
0.0000

 75.5789, 68.8343,
24.6713

 1.2619, 0.7109,
0.0000

 98.7011, 91.0288,
36.6870

 0.1545, 0.0000,
0.0000


 126.1150,
117.5448, 52.0810


 0.0000, 0.0000,
0.0000


 158.1860,


148.7666, 71.2720


 195.2795,
185.0787, 94.6785


 18.7006, 15.5825,
2.0221


 18.7006, 15.5825,
2.0221


 18.7007, 15.5829,
2.0222

 19.4171, 16.8648,
2.7262

 20.2612, 18.2823,
3.8421

 21.2666, 19.8510,
5.5401

 22.4482, 21.5788,
7.8931

 23.8190, 23.4727,
10.9628

■ 25.3902, 25.5390,
14.8041

■ 27.1722, 27.7835,
19.4663

■ 29.1748, 30.2119,
24.9945

■ 31.4066, 32.8292,
31.4307

Harmonies

Analogous

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



23.8174, 15.5825, 4.9046



18.7006, 15.5825, 2.0221



13.4518, 15.5825, 1.6420

Triad

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



18.7006, 15.5825, 2.0221



7.1275, 15.5825, 21.3094



21.6849, 15.5825, 49.5057

Complementary

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



18.7006, 15.5825, 2.0221



8.4401, 6.5874, 34.5444

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.



16.2582, 15.5825, 62.0737



18.7006, 15.5825, 2.0221



8.4202, 15.5825, 40.7135

Square

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



18.7006, 15.5825, 2.0221



7.4938, 15.5825, 8.6190



11.5015, 15.5825, 58.1701



25.7952, 15.5825, 29.4720

Rectangle

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



18.7006, 15.5825, 2.0221



10.6657, 15.5825, 2.3682



11.5015, 15.5825, 58.1701



19.9107, 15.5825, 55.1444

Sweetspot

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



18.7009, 15.5833, 2.0224



48.4727, 49.5223, 34.3492



15.7135, 7.9834, 6.0365



10.3465, 10.5064, 6.7790



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.7009, 15.5833, 2.0224



33.2932, 27.5106, 3.5553



24.8821, 31.7465, 4.8164



7.4012, 7.7407, 7.4841



14.9768, 12.5275, 1.6287



0.3598, 0.3535, 0.0493

Inverse Universe

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



8.4401, 6.5874, 34.5444



14.9302, 11.4267, 61.8052



6.6052, 2.6621, 33.8834



6.9313, 7.3216, 8.9510



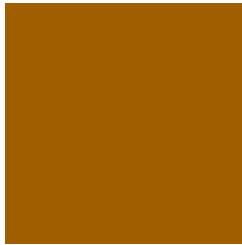
6.7792, 5.3378, 27.6028



0.1886, 0.2044, 0.5954

Previews

White Background



This preview shows how the XYZ color 18.7006, 15.5825, 2.0221 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 18.7006, 15.5825, 2.0221 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 18.7006, 15.5825, 2.0221

Background



This preview shows how black text looks on a background with the XYZ color 18.7006, 15.5825, 2.0221.



This preview shows how white text looks on a background with the XYZ color 18.7006, 15.5825,

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

18.7006, 15.5825, 2.0221

Protanopia

14.2082, 15.7554, 2.6401

Deuteranopia

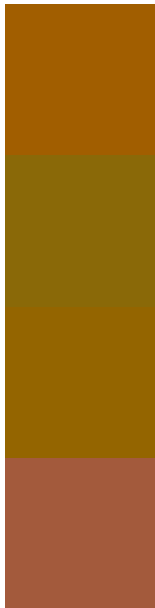
15.8668, 15.6786, 2.1900



Tritanopia

20.7384, 15.5171, 12.4917

Trichromacy



Original Color

18.7006, 15.5825, 2.0221

Protanomaly

15.5766, 15.5240, 2.4052

Deuteranomaly

16.8664, 15.6033, 2.1228

Tritanomaly

19.5760, 15.4251, 6.2205

Monochromacy



Original Color

18.7006, 15.5825, 2.0221

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.8527, 13.7928, 7.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7006, 15.5825, 2.0221 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(161, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 94, 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(161, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.7006, 15.5825, 2.0221 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(161, 94, 0) }
```


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

```
.border{ border-color:rgb(161, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7006, 15.5825, 2.0221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 94, 0) }
```

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

```
.background{ background-color: rgb(161, 94,  
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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