

Converting Colors

XYZ(18.5269, 18.5870, 2.8323)

Have a look what the booklet for
XYZ(18.5269, 18.5870, 2.8323)
contains.

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Color

**XYZ(18.5690, 18.6686,
2.8544)**

Conversions

Conversions Part 1

Format	Color
Hex	957308
RGB	149, 115, 8
RGB Percent	58%, 45%, 3%
CMY	0.4157, 0.5490, 0.9686
CMYK	0.00, 0.23, 0.95, 0.42
HSL	46°, 90%, 31%
HSV	46°, 95%, 58%
XYZ	18.5690, 18.6686, 2.8544
YIQ	112.9680, 54.6110, -26.0690

Conversions

Conversions Part 2

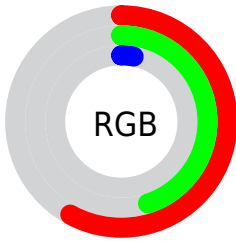
Format	Color
R _Y B	53, 149, 8
Decimal	9794312
CIE Lab	50.30, 4.36, 54.89
CIE LCh	50, 55.066, 85.456
Yxy	18.6686, 0.4632, 0.4656
Android (android.graphics.Color)	4287984392 (0xFF957308)
YUV	112.9680, -51.7492, 31.6001
Hunter-Lab	43.2072, 1.1008, 26.3281

Details

The XYZ color **18.5690, 18.6686, 2.8544** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.3530, 3.8776, 28.8471**, and the grayscale version is **15.8246, 16.6487, 18.1304**.

A 20% lighter version of the original color is **40.5942, 41.3202, 11.3049**, and **6.6232, 6.3940, 0.8851** is the 20% darker color. If you saturate the color by 10%, you get **18.3077, 18.2163, 2.5512**, and if you desaturate by 10%, it is **19.0970, 19.5489, 3.5725**.

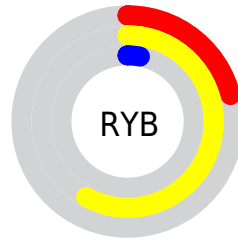
Distribution



Red (58%)

Green (45%)

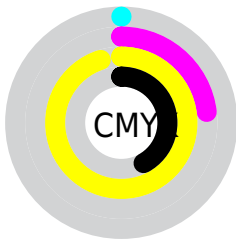
Blue (3%)



Red (21%)

Yellow (58%)

Blue (3%)

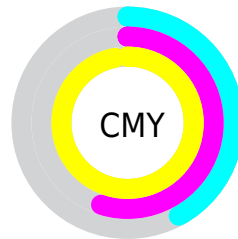


Cyan (0%)

Magenta (23%)

Yellow (95%)

Black (42%)



Cyan (42%)

Magenta (55%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5690, 18.6686, 2.8544 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 18.5690, 18.6686, 2.8544 by changing the saturation by 10% instead.

■ 18.5690, 18.6686,
2.8544

■ 18.5690, 18.6686,
2.8544

237.0430,
244.6131, 134.4840

■ 11.4614, 11.4311,
1.0208

■ 40.5271, 41.1734,
11.2670

■ 6.4477, 6.3576,
0.0000

■ 56.1082, 57.2094,
18.6831

■ 3.1624, 3.0637,
0.0000

■ 75.2447, 76.9470,
28.7970

■ 1.2402, 1.1651,
0.0000

■ 98.3017, 100.7706,
42.0274


■ 0.1378, 0.0329,
0.0000


■ 125.6447,
129.0646, 58.7927


■ 0.0000, 0.0000,
0.0000


■ 157.6390,


162.2135, 79.5116


 194.6500,
200.6015, 104.6025


 18.5690, 18.6686,
2.8544


 18.5690, 18.6686,
2.8544


 18.3077, 18.2163,
2.5512

 19.0970, 19.5489,
3.5725

 19.7239, 20.4938,
4.7335

 20.4632, 21.5099,
6.4061

 21.3254, 22.6014,
8.6445

 22.3196, 23.7725,
11.4961

■ 23.4541, 25.0265,
15.0031

■ 24.7363, 26.3668,
19.2041

■ 26.1731, 27.7964,
24.1347

■ 27.7710, 29.3181,
29.8280

Harmonies

Analogous

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



24.2190, 18.6686, 4.4611



18.5690, 18.6686, 2.8544



13.6901, 18.6686, 3.6668

Triad

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



18.5690, 18.6686, 2.8544



10.0002, 18.6686, 35.7488



27.6051, 18.6686, 41.9492

Complementary

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



18.5690, 18.6686, 2.8544



6.3530, 3.8776, 28.8471

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.



22.5281, 18.6686, 60.0620



18.5690, 18.6686, 2.8544



12.5399, 18.6686, 55.3963

Square

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



18.5690, 18.6686, 2.8544



9.3570, 18.6686, 18.0874



16.9437, 18.6686, 65.9259



30.0592, 18.6686, 22.7441

Rectangle

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



18.5690, 18.6686, 2.8544



11.3913, 18.6686, 5.8994



16.9437, 18.6686, 65.9259



26.1047, 18.6686, 48.6811

Sweetspot

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



18.5694, 18.6695, 2.8548



43.3626, 46.2552, 31.2746



12.9219, 6.7396, 2.9298



9.4120, 10.0430, 6.2861



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.5694, 18.6695, 2.8548



32.6419, 32.3330, 4.5205



17.6983, 25.0730, 4.1367



6.1482, 6.5101, 6.1730



15.4324, 15.3791, 2.1551



0.2117, 0.2339, 0.0340

Inverse Universe

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



6.3530, 3.8776, 28.8471



10.7208, 5.8973, 51.4945



6.5186, 2.8628, 28.6425



5.6063, 5.8466, 7.3028



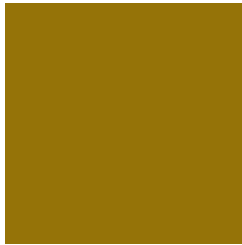
5.1152, 2.9252, 24.2261



0.0826, 0.0757, 0.3032

Previews

White Background



This preview shows how the XYZ color 18.5690, 18.6686, 2.8544 looks on a white 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

Black Background



This preview shows how the XYZ color 18.5690, 18.6686, 2.8544 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5690, 18.6686, 2.8544

Background



This preview shows how black text looks on a background with the XYZ color 18.5690, 18.6686, 2.8544.

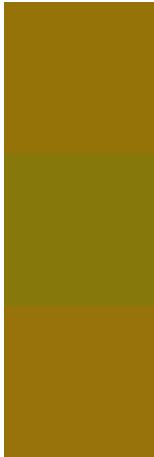


This preview shows how white text looks on a background with the XYZ color 18.5690, 18.6686,

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

18.5690, 18.6686, 2.8544

Protanopia

16.7685, 18.6080, 3.0245

Deuteranopia

19.0210, 18.7319, 2.9003



Tritanopia

21.8698, 18.7218, 18.6807

Trichromacy



Original Color

18.5690, 18.6686, 2.8544

Protanomaly

17.3484, 18.5542, 2.9541

Deuteranomaly

18.8291, 18.6337, 2.8627

Tritanomaly

20.0173, 18.4460, 9.3429

Monochromacy



Original Color

18.5690, 18.6686, 2.8544

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8915, 16.9782, 9.0962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5690, 18.6686, 2.8544 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(149, 115, 8)` looks like.

```
.text, #text, p{  
    color:rgb(149, 115, 8)  
}
```

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(149, 115, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 115, 8) }
```

Border

The CSS property to change the border of an element to XYZ 18.5690, 18.6686, 2.8544 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(149, 115, 8) }
```


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

```
.border{ border-color:rgb(149, 115, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 115, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 115, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 115, 8);  
box-shadow:4px 4px 4px 4px rgb(149, 115,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5690, 18.6686, 2.8544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 115, 8) }
```

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

```
.background{ background-color: rgb(149,  
115, 8) }
```

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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