

Converting Colors

XYZ(15.0775, 14.9088, 4.9887)

Have a look what the booklet for
XYZ(15.0775, 14.9088, 4.9887)
contains.

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Color

**XYZ(15.0775, 14.9088,
4.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	856731
RGB	133, 103, 49
RGB Percent	52%, 40%, 19%
CMY	0.4784, 0.5961, 0.8078
CMYK	0.00, 0.23, 0.63, 0.48
HSL	39°, 46%, 36%
HSV	39°, 63%, 52%
XYZ	15.0775, 14.9088, 4.9887
YIQ	105.8140, 35.2140, -10.4340

Conversions

Conversions Part 2

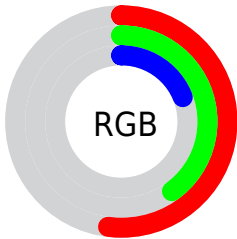
Format	Color
RYB	96, 133, 49
Decimal	8742705
CIELab	45.51, 5.54, 34.48
CIElCh	46, 34.927, 80.872
Yxy	14.9088, 0.4311, 0.4263
Android (android.graphics.Color)	4286932785 (0xFF856731)
YUV	105.8140, -28.0093, 23.8421
Hunter-Lab	38.6119, 2.1313, 19.3680

Details

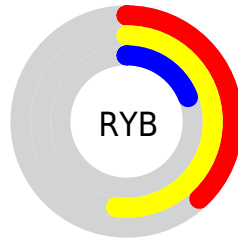
The XYZ color **15.0775, 14.9088, 4.9887** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.2961, 7.9380, 23.2852**, and the grayscale version is **13.7165, 14.4308, 15.7151**.

A 20% lighter version of the original color is **34.4523, 34.6656, 16.1846**, and **4.7279, 4.5360, 0.6551** is the 20% darker color. If you saturate the color by 10%, you get **14.3782, 13.8951, 3.5694**, and if you desaturate by 10%, it is **15.8872, 16.0108, 6.8539**.

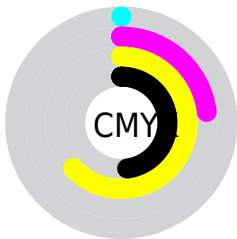
Distribution



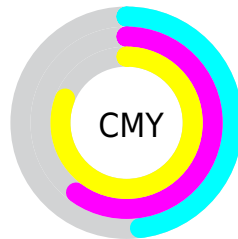
- Red (52%)
- Green (40%)
- Blue (19%)



- Red (38%)
- Yellow (52%)
- Blue (19%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (48%)



- Cyan (48%)
- Magenta (60%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0775, 14.9088, 4.9887 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 15.0775, 14.9088, 4.9887 by changing the saturation by 10% instead.

■ 15.0775, 14.9088,
4.9887

■ 15.0775, 14.9088,
4.9887

217.2139,
222.8135, 158.6516

■ 8.9605, 8.7554,
2.1820

■ 34.5596, 34.6931,
16.2325

■ 4.7723, 4.5820,
0.6640

■ 48.6554, 49.0928,
25.5066

■ 2.1477, 2.0042,
0.0000

■ 66.1415, 67.0101,
37.7737

■ 0.7149, 0.6099,
0.0000

■ 87.3833, 88.8293,
53.4522

■ 0.0000, 0.0000,
0.0000

■ 112.7460,
114.9348, 72.9608

■ 142.5951,

145.7111, 96.7178

177.2960,
181.5426, 125.1419

■ 15.0775, 14.9088,
4.9887

■ 15.0775, 14.9088,
4.9887

■ 14.3782, 13.8951,
3.5694

■ 15.8872, 16.0108,
6.8539

■ 13.7804, 12.9636,
2.5554

■ 16.8133, 17.2024,
9.1992

■ 13.2747, 12.1106,
1.8993

■ 17.8625, 18.4875,
12.0564

■ 12.9613, 11.5634,
1.5488

■ 19.0408, 19.8693,
15.4543

■ 20.3535, 21.3504,
19.4195

■ 21.8057, 22.9336,
23.9769

■ 23.4023, 24.6213,
29.1499

■ 25.1477, 26.4161,
34.9606

■ 27.0464, 28.3203,
41.4299

Harmonies

Analogous

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



18.0064, 14.9088, 6.6993



15.0775, 14.9088, 4.9887



12.2673, 14.9088, 5.3856

Triad

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



15.0775, 14.9088, 4.9887



9.5553, 14.9088, 22.6441



18.9738, 14.9088, 28.6037

Complementary

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



15.0775, 14.9088, 4.9887



8.2961, 7.9380, 23.2852

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.



16.2607, 14.9088, 36.3041



15.0775, 14.9088, 4.9887



10.9220, 14.9088, 32.1243

Square

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



15.0775, 14.9088, 4.9887



9.3291, 14.9088, 13.8194



13.3004, 14.9088, 37.7761



20.4501, 14.9088, 18.9128

Rectangle

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



15.0775, 14.9088, 4.9887



10.8126, 14.9088, 6.8747



13.3004, 14.9088, 37.7761



18.1600, 14.9088, 31.6323

Sweetspot

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



15.0779, 14.9095, 4.9890



34.9455, 36.5490, 30.1997



12.2118, 7.7595, 8.4050



7.7464, 8.0901, 6.4256



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.0779, 14.9095, 4.9890



25.2376, 24.1031, 5.4768



16.9396, 21.1197, 6.0896



4.9035, 5.1506, 4.9651



12.3536, 11.0299, 1.4779



0.0497, 0.0520, 0.0074

Inverse Universe

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



8.2961, 7.9380, 23.2852



12.0663, 10.6078, 41.1500



7.2076, 4.8571, 22.7479



4.5605, 4.7966, 5.8862



5.0269, 3.6017, 21.5669



0.0239, 0.0254, 0.0769

Previews

White Background



This preview shows how the XYZ color 15.0775, 14.9088, 4.9887 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 15.0775, 14.9088, 4.9887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

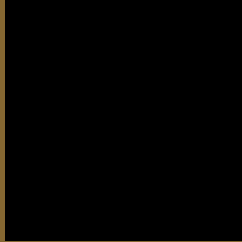
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0775, 14.9088, 4.9887

Background



This preview shows how black text looks on a background with the XYZ color 15.0775, 14.9088, 4.9887.



This preview shows how white text looks on a background with the XYZ color 15.0775, 14.9088,

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

15.0775, 14.9088, 4.9887

Protanopia

13.7058, 14.9572, 5.2966

Deuteranopia

15.2361, 14.9906, 4.9962



Tritanopia

17.0899, 14.8672, 15.0656

Trichromacy



Original Color

15.0775, 14.9088, 4.9887

Protanomaly

14.1872, 14.8983, 5.1455

Deuteranomaly

15.2361, 14.9906, 4.9962

Tritanomaly

16.2154, 14.7980, 10.3892

Monochromacy



Original Color

15.0775, 14.9088, 4.9887

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.8937, 14.4720, 10.6554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0775, 14.9088, 4.9887 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(133, 103, 49)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 49)  
}
```

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(133, 103, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.0775, 14.9088, 4.9887 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(133, 103, 49) }
```


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

```
.border{ border-color:rgb(133, 103, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 49);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0775, 14.9088, 4.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 49) }
```

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

```
.background{ background-color: rgb(133,  
103, 49) }
```

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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