

Converting Colors

XYZ(18.5511, 12.9369, 3.2771)

Have a look what the booklet for
XYZ(18.5511, 12.9369, 3.2771)
contains.

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Color

**XYZ(18.5876, 12.9838,
3.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	A74825
RGB	167, 72, 37
RGB Percent	65%, 28%, 15%
CMY	0.3451, 0.7176, 0.8549
CMYK	0.00, 0.57, 0.78, 0.35
HSL	16°, 64%, 40%
HSV	16°, 78%, 65%
XYZ	18.5876, 12.9838, 3.2767
YIQ	96.4150, 67.8550, 9.2550

Conversions

Conversions Part 2

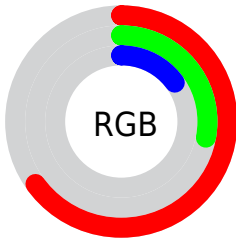
Format	Color
RYB	167, 85, 37
Decimal	10962981
CIELab	42.74, 37.04, 39.06
CIElCh	43, 53.832, 46.525
Yxy	12.9838, 0.5334, 0.3726
Android (android.graphics.Color)	4289153061 (0xFFA74825)
YUV	96.4150, -29.2916, 61.9030
Hunter-Lab	36.0330, 29.0212, 19.8315

Details

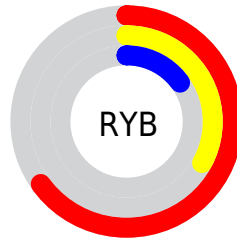
The XYZ color **18.5876, 12.9838, 3.2767** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.9884, 19.6842, 39.5156**, and the grayscale version is **11.2772, 11.8645, 12.9205**.

A 20% lighter version of the original color is **40.6781, 31.3000, 12.2850**, and **6.5748, 3.7875, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **17.6707, 11.4781, 1.9601**, and if you desaturate by 10%, it is **19.7816, 14.8521, 5.2775**.

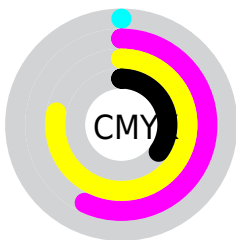
Distribution



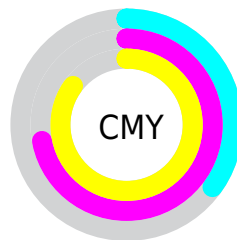
- Red (65%)
- Green (28%)
- Blue (15%)



- Red (65%)
- Yellow (33%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (78%)
- Black (35%)



- Cyan (35%)
- Magenta (72%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5876, 12.9838, 3.2767 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 18.5876, 12.9838, 3.2767 by changing the saturation by 10% instead.

■ 18.5876, 12.9838,
3.2767

■ 18.5876, 12.9838,
3.2767

237.1446,
210.8138, 139.8103

■ 11.4749, 7.4174,
1.2376

■ 40.5584, 31.2747,
12.3039

■ 6.4569, 3.7245,
0.0098

■ 56.1471, 44.7679,
20.1291

■ 3.1681, 1.5207,
0.0000

■ 75.2920, 61.6723,
30.7200

■ 1.2433, 0.3032,
0.0000

■ 98.3582, 82.3721,
44.4953

■ 0.1401, 0.0000,
0.0000

■ 125.7112,
107.2517, 61.8734

■ 0.0000, 0.0000,
0.0000

■ 157.7164,

136.6956, 83.2730

194.7391,
171.0882, 109.1124

18.5876, 12.9838,
3.2767

18.5876, 12.9838,
3.2767

17.6707, 11.4781,
1.9601

19.7816, 14.8521,
5.2775

16.9966, 10.3046,
1.1966

21.2750, 17.1039,
8.0410

16.8734, 10.0898,
1.0582

23.0883, 19.7606,
11.6357

25.2401, 22.8415,
16.1222

27.7473, 26.3646,
21.5554

■ 30.6257, 30.3468,
27.9857

■ 33.8901, 34.8041,
35.4600

■ 37.5544, 39.7516,
44.0221

■ 41.6319, 45.2039,
53.7134

Harmonies

Analogous

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



21.5300, 12.9838, 8.6455



18.5876, 12.9838, 3.2767



14.2673, 12.9838, 1.5938

Triad

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



18.5876, 12.9838, 3.2767



6.1595, 12.9838, 9.5078



14.7178, 12.9838, 48.6341

Complementary

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



18.5876, 12.9838, 3.2767



15.9884, 19.6842, 39.5156

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.



10.5959, 12.9838, 49.3453



18.5876, 12.9838, 3.2767



6.2280, 12.9838, 21.5677

Square

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



18.5876, 12.9838, 3.2767



7.4645, 12.9838, 3.6074



7.6784, 12.9838, 37.6183



18.9796, 12.9838, 36.0123

Rectangle

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



18.5876, 12.9838, 3.2767



11.4676, 12.9838, 1.4856



7.6784, 12.9838, 37.6183



13.2570, 12.9838, 50.4453

Sweetspot

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



18.5879, 12.9845, 3.2769



51.8928, 50.2722, 43.4780



20.7855, 11.2137, 23.0184



11.2220, 10.7077, 8.8625



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.



18.5879, 12.9845, 3.2769



30.7845, 19.0605, 2.5149



25.1684, 26.1456, 5.4704



7.6894, 7.8588, 7.9009



12.9476, 7.7924, 0.8217



0.3563, 0.2722, 0.0338

Inverse Universe

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



15.9884, 19.6842, 39.5156



25.6950, 31.1064, 70.1251



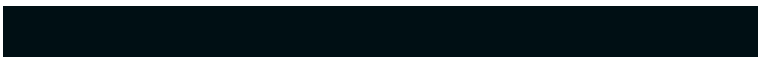
9.7650, 7.2374, 37.4411



7.5742, 8.1852, 9.5990



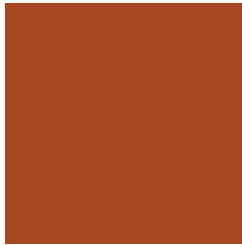
10.7078, 12.8757, 29.8964



0.2994, 0.3910, 0.7403

Previews

White Background



This preview shows how the XYZ color 18.5876, 12.9838, 3.2767 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 18.5876, 12.9838, 3.2767 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 18.5876, 12.9838, 3.2767

Background



This preview shows how black text looks on a background with the XYZ color 18.5876, 12.9838, 3.2767.



This preview shows how white text looks on a background with the XYZ color 18.5876, 12.9838,

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

18.5876, 12.9838, 3.2767

Protanopia

12.0351, 13.2029, 4.3967

Deuteranopia

13.1696, 12.9715, 3.0379



Tritanopia

19.3853, 12.9270, 7.6043

Trichromacy



Original Color

18.5876, 12.9838, 3.2767

Protanomaly

13.8319, 12.6359, 3.9004

Deuteranomaly

14.8380, 12.6770, 3.1037

Tritanomaly

19.0660, 12.8968, 5.6221

Monochromacy



Original Color

18.5876, 12.9838, 3.2767

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.7042, 11.4620, 8.1994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5876, 12.9838, 3.2767 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(167, 72, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 72, 37)  
}
```

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(167, 72, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 72, 37) }
```

Border

The CSS property to change the border of an element to XYZ 18.5876, 12.9838, 3.2767 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(167, 72, 37) }
```


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

```
.border{ border-color:rgb(167, 72, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 72, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 72, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 72, 37);  
box-shadow:4px 4px 4px 4px rgb(167, 72,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5876, 12.9838, 3.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 72, 37) }
```

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

```
.background{ background-color: rgb(167, 72,  
37) }
```

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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