

Converting Colors

XYZ(18.8730, 13.2425, 3.2244)

Have a look what the booklet for
XYZ(18.8730, 13.2425, 3.2244)
contains.

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Color

**XYZ(18.8494, 13.2173,
3.2268)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | A84924 |
| RGB | 168, 73, 36 |
| RGB Percent | 66%, 29%, 14% |
| CMY | 0.3412, 0.7137, 0.8588 |
| CMYK | 0.00, 0.57, 0.79, 0.34 |
| HSL | 17°, 65%, 40% |
| HSV | 17°, 79%, 66% |
| XYZ | 18.8494, 13.2173, 3.2268 |
| YIQ | 97.1870, 68.4970, 8.6330 |

Conversions

Conversions Part 2

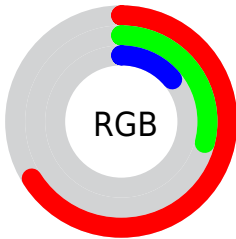
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 168, 87, 36 |
| Decimal | 11028772 |
| CIELab | 43.09, 36.89, 39.99 |
| CIElCh | 43, 54.400, 47.309 |
| Yxy | 13.2173, 0.5341, 0.3745 |
| Android (android.graphics.Color) | 4289218852 (0xFFA84924) |
| YUV | 97.1870, -30.1652, 62.1030 |
| Hunter-Lab | 36.3556, 28.9251, 20.1865 |

Details

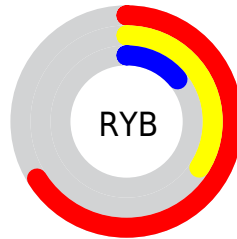
The XYZ color **18.8494, 13.2173, 3.2268** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.9110, 19.4333, 39.9578**, and the grayscale version is **11.4689, 12.0662, 13.1401**.

A 20% lighter version of the original color is **41.0821, 31.6979, 12.1366**, and **6.7173, 3.8888, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **17.9318, 11.7010, 1.9386**, and if you desaturate by 10%, it is **20.0424, 15.0922, 5.2010**.

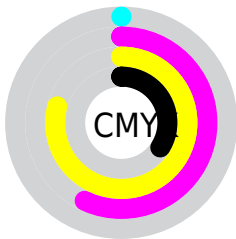
Distribution



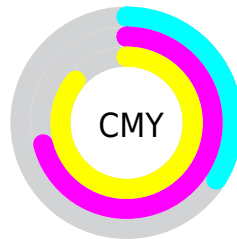
- Red (66%)
- Green (29%)
- Blue (14%)



- Red (66%)
- Yellow (34%)
- Blue (14%)



- Cyan (0%)
- Magenta (57%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (71%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8494, 13.2173, 3.2268 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 18.8494, 13.2173, 3.2268 by changing the saturation by 10% instead.


 18.8494, 13.2173,
3.2268


 18.8494, 13.2173,
3.2268


238.5702,
212.3057, 139.1988


 11.6649, 7.5784,
1.2116


 40.9983, 31.6936,
12.1831


 6.5865, 3.8264,
0.0000


 56.6934, 45.2998,
19.9613

 3.2489, 1.5769,
0.0000

 75.9560, 62.3305,
30.4976

 1.2867, 0.3420,
0.0000

 99.1516, 83.1701,
44.2104

 0.1732, 0.0000,
0.0000

 126.6455,
108.2030, 61.5185

 0.0000, 0.0000,
0.0000

 158.8029,

137.8137, 82.8402

195.9894,
172.3864, 108.5941

18.8494, 13.2173,
3.2268

18.8494, 13.2173,
3.2268

17.9318, 11.7010,
1.9386

20.0424, 15.0922,
5.2010

17.2525, 10.5121,
1.1887

21.5332, 17.3458,
7.9417

17.1687, 10.3656,
1.0959

23.3424, 19.9995,
11.5191

25.4886, 23.0721,
15.9949

27.9887, 26.5813,
21.4251

■ 30.8586, 30.5436,
27.8612

■ 34.1129, 34.9747,
35.3507

■ 37.7657, 39.8896,
43.9383

■ 41.8301, 45.3025,
53.6660

Harmonies

Analogous

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



21.9216, 13.2173, 8.5642



18.8494, 13.2173, 3.2268



14.4154, 13.2173, 1.5823

Triad

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



18.8494, 13.2173, 3.2268



6.2322, 13.2173, 9.8975



15.1131, 13.2173, 49.5288

Complementary

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



18.8494, 13.2173, 3.2268



15.9110, 19.4333, 39.9578

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.



10.8759, 13.2173, 50.6329



18.8494, 13.2173, 3.2268



6.3380, 13.2173, 22.3980

Square

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



18.8494, 13.2173, 3.2268



7.5261, 13.2173, 3.7363



7.8568, 13.2173, 38.8575



19.4570, 13.2173, 36.3657

Rectangle

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



18.8494, 13.2173, 3.2268



11.5661, 13.2173, 1.4976



7.8568, 13.2173, 38.8575



13.6148, 13.2173, 51.5074

Sweetspot

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



18.8497, 13.2180, 3.2270



52.8582, 51.1045, 43.4767



20.9990, 11.2745, 23.1873



11.1461, 10.6191, 8.6421



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.



18.8497, 13.2180, 3.2270



31.6274, 19.6361, 2.5093



25.4408, 26.4003, 5.4241



7.6960, 7.8720, 7.9031



13.0037, 7.9047, 0.8404



0.3588, 0.2771, 0.0346

Inverse Universe

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



15.9110, 19.4333, 39.9578



25.8281, 30.8851, 71.8252



9.7907, 7.1929, 37.9177



7.5671, 8.1712, 9.5967



10.5366, 12.5333, 29.8393



0.2962, 0.3846, 0.7393

Previews

White Background



This preview shows how the XYZ color 18.8494, 13.2173, 3.2268 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



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 18.8494, 13.2173, 3.2268

Background



This preview shows how black text looks on a background with the XYZ color 18.8494, 13.2173, 3.2268.



This preview shows how white text looks on a background with the XYZ color 18.8494, 13.2173,

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

18.8494, 13.2173, 3.2268

Protanopia

12.2443, 13.4598, 4.3355

Deuteranopia

13.5497, 13.3052, 3.0164



Tritanopia

19.9083, 13.2833, 7.8180

Trichromacy



Original Color

18.8494, 13.2173, 3.2268

Protanomaly

14.0589, 12.8827, 3.8435

Deuteranomaly

15.0781, 12.9234, 3.0663

Tritanomaly

19.3680, 13.1416, 5.7907

Monochromacy



Original Color

18.8494, 13.2173, 3.2268

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.9281, 11.6984, 8.2332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8494, 13.2173, 3.2268 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(168, 73, 36)` looks like.

```
.text, #text, p{  
    color:rgb(168, 73, 36)  
}
```

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(168, 73, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 73, 36) }
```

Border

The CSS property to change the border of an element to XYZ 18.8494, 13.2173, 3.2268 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(168, 73, 36) }
```


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

```
.border{ border-color:rgb(168, 73, 36) }
```

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

Here you see how a box with a 4 pixel rgb(168, 73, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 73, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 73, 36);  
box-shadow:4px 4px 4px 4px rgb(168, 73,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8494, 13.2173, 3.2268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 73, 36) }
```

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

```
.background{ background-color: rgb(168, 73,  
36) }
```

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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