

Converting Colors

XYZ(18.0533, 13.1687, 3.2559)

Have a look what the booklet for
XYZ(18.0533, 13.1687, 3.2559)
contains.

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Color

**XYZ(18.0766, 13.2217,
3.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	A34D24
RGB	163, 77, 36
RGB Percent	64%, 30%, 14%
CMY	0.3608, 0.6980, 0.8588
CMYK	0.00, 0.53, 0.78, 0.36
HSL	19°, 64%, 39%
HSV	19°, 78%, 64%
XYZ	18.0766, 13.2217, 3.2684
YIQ	98.0400, 64.4170, 5.4810

Conversions

Conversions Part 2

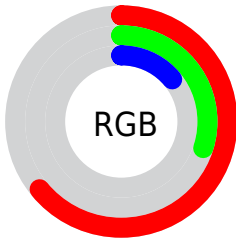
Format	Color
RYB	163, 97, 36
Decimal	10702116
CIELab	43.10, 32.82, 39.73
CIELCh	43, 51.532, 50.445
Yxy	13.2217, 0.5229, 0.3825
Android (android.graphics.Color)	4288892196 (0xFFA34D24)
YUV	98.0400, -30.5857, 56.9699
Hunter-Lab	36.3617, 25.1054, 20.1238

Details

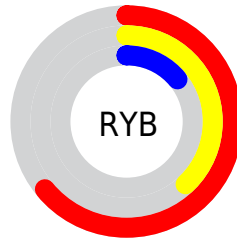
The XYZ color **18.0766, 13.2217, 3.2684** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.2974, 16.9374, 37.1658**, and the grayscale version is **11.6824, 12.2908, 13.3847**.

A 20% lighter version of the original color is **39.7119, 31.7509, 12.2191**, and **6.2410, 3.8338, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **17.1742, 11.7287, 2.0067**, and if you desaturate by 10%, it is **19.2241, 15.0236, 5.1712**.

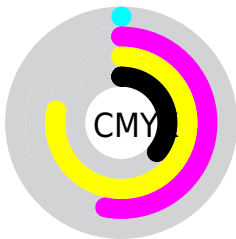
Distribution



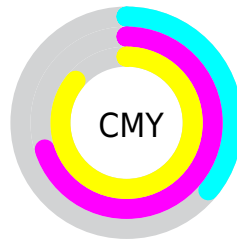
- Red (64%)
- Green (30%)
- Blue (14%)



- Red (64%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (36%)



- Cyan (36%)
- Magenta (70%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0766, 13.2217, 3.2684 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 18.0766, 13.2217, 3.2684 by changing the saturation by 10% instead.

■ 18.0766, 13.2217,
3.2684

■ 18.0766, 13.2217,
3.2684

234.3397,
212.3337, 139.7089

■ 11.1050, 7.5814,
1.2333

■ 39.6969, 31.7015,
12.2838

■ 6.2053, 3.8283,
0.0061

■ 55.0763, 45.3098,
20.1012

■ 3.0122, 1.5780,
0.0000

■ 73.9890, 62.3429,
30.6831

■ 1.1602, 0.3427,
0.0000

■ 96.8003, 83.1851,
44.4480

■ 0.0746, 0.0000,
0.0000

■ 123.8758,
108.2209, 61.8145

■ 0.0000, 0.0000,
0.0000

■ 155.5805,

137.8347, 83.2012

192.2801,
172.4108, 109.0265

18.0766, 13.2217,
3.2684

18.0766, 13.2217,
3.2684

17.1742, 11.7287,
2.0067

19.2241, 15.0236,
5.1712

16.4857, 10.5198,
1.2593

20.6354, 17.1501,
7.7883

16.3604, 10.2989,
1.1256

22.3285, 19.6180,
11.1836

24.3192, 22.4423,
15.4138

26.6219, 25.6372,
20.5300

■ 29.2502, 29.2158,
26.5793

■ 32.2169, 33.1908,
33.6054

■ 35.5338, 37.5741,
41.6494

■ 39.2124, 42.3772,
50.7498

Harmonies

Analogous

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



21.1539, 13.2217, 8.0348



18.0766, 13.2217, 3.2684



13.8759, 13.2217, 1.8130

Triad

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



18.0766, 13.2217, 3.2684



6.4463, 13.2217, 11.0661



15.4237, 13.2217, 46.0959

Complementary

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



18.0766, 13.2217, 3.2684



14.2974, 16.9374, 37.1658

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.



11.3428, 13.2217, 48.4661



18.0766, 13.2217, 3.2684



6.6893, 13.2217, 23.4535

Square

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



18.0766, 13.2217, 3.2684



7.5558, 13.2217, 4.4851



8.3086, 13.2217, 38.6588



19.4124, 13.2217, 33.2680

Rectangle

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



18.0766, 13.2217, 3.2684



11.2342, 13.2217, 1.8278



8.3086, 13.2217, 38.6588



14.0008, 13.2217, 48.3340

Sweetspot

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



18.0769, 13.2224, 3.2686



49.7164, 48.7035, 41.4169



19.2967, 10.4730, 19.6724



10.8105, 10.4525, 8.4897



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.0769, 13.2224, 3.2686



29.8861, 19.4803, 2.6300



24.7593, 26.5873, 5.4961



7.2518, 7.4420, 7.4343



12.7525, 8.0790, 0.8873



0.3092, 0.2523, 0.0324

Inverse Universe

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



14.2974, 16.9374, 37.1658



22.6388, 26.0463, 65.8904



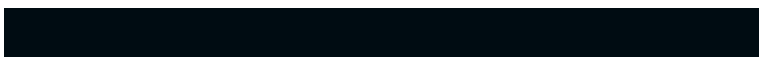
8.9171, 6.1767, 35.3723



7.0824, 7.6238, 9.0013



9.5450, 10.8694, 28.5247



0.2405, 0.3082, 0.6127

Previews

White Background



This preview shows how the XYZ color 18.0766, 13.2217, 3.2684 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 18.0766, 13.2217, 3.2684 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 18.0766, 13.2217, 3.2684

Background



This preview shows how black text looks on a background with the XYZ color 18.0766, 13.2217, 3.2684.



This preview shows how white text looks on a background with the XYZ color 18.0766, 13.2217,

3.2684.

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

18.0766, 13.2217, 3.2684

Protanopia

12.2257, 13.4523, 4.2377

Deuteranopia

13.5623, 13.3103, 3.0826



Tritanopia

19.2391, 13.3002, 8.5744

Trichromacy



Original Color

18.0766, 13.2217, 3.2684

Protanomaly

13.9014, 13.0641, 3.7964

Deuteranomaly

14.9014, 13.0793, 3.1057

Tritanomaly

18.6281, 13.1379, 6.1115

Monochromacy



Original Color

18.0766, 13.2217, 3.2684

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9522, 11.9579, 8.2821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0766, 13.2217, 3.2684 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(163, 77, 36)` looks like.

```
.text, #text, p{  
    color:rgb(163, 77, 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(163, 77, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 77, 36) }
```

Border

The CSS property to change the border of an element to XYZ 18.0766, 13.2217, 3.2684 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(163, 77, 36) }
```


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

```
.border{ border-color:rgb(163, 77, 36) }
```

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

Here you see how a box with a 4 pixel rgb(163, 77, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 77, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 77, 36);  
box-shadow:4px 4px 4px 4px rgb(163, 77,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0766, 13.2217, 3.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 77, 36) }
```

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

```
.background{ background-color: rgb(163, 77,  
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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