

Converting Colors

XYZ(21.8377, 18.4197, 3.5114)

Have a look what the booklet for
XYZ(21.8377, 18.4197, 3.5114)
contains.

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Color

**XYZ(21.8544, 18.4423,
3.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	AB671C
RGB	171, 103, 28
RGB Percent	67%, 40%, 11%
CMY	0.3294, 0.5961, 0.8902
CMYK	0.00, 0.40, 0.84, 0.33
HSL	31°, 72%, 39%
HSV	31°, 84%, 67%
XYZ	21.8544, 18.4423, 3.5065
YIQ	114.7820, 64.6030, -8.9090

Conversions

Conversions Part 2

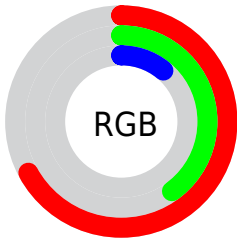
Format	Color
RYB	158, 171, 28
Decimal	11233052
CIELab	50.03, 21.71, 50.21
CIElCh	50, 54.704, 66.616
Yxy	18.4423, 0.4989, 0.4210
Android (android.graphics.Color)	4289423132 (0xFFAB671C)
YUV	114.7820, -42.7835, 49.3032
Hunter-Lab	42.9445, 15.6855, 25.2200

Details

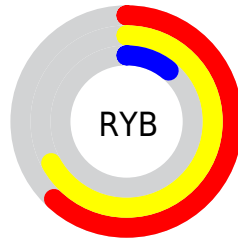
The XYZ color **21.8544, 18.4423, 3.5065** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.0121, 11.5523, 40.1243**, and the grayscale version is **16.3420, 17.1930, 18.7232**.

A 20% lighter version of the original color is **45.9219, 40.6646, 12.8258**, and **8.1762, 6.2431, 0.7741** is the 20% darker color. If you saturate the color by 10%, you get **20.9351, 16.8436, 2.4614**, and if you desaturate by 10%, it is **22.9694, 20.2467, 5.1904**.

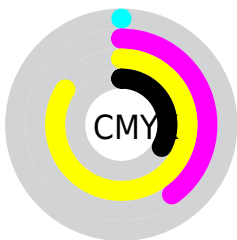
Distribution



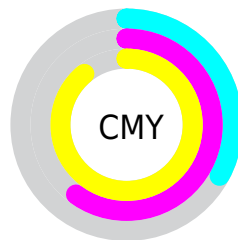
- Red (67%)
- Green (40%)
- Blue (11%)



- Red (62%)
- Yellow (67%)
- Blue (11%)



- Cyan (0%)
- Magenta (40%)
- Yellow (84%)
- Black (33%)



- Cyan (33%)
- Magenta (60%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8544, 18.4423, 3.5065 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 21.8544, 18.4423, 3.5065 by changing the saturation by 10% instead.

■ 21.8544, 18.4423,
3.5065

■ 21.8544, 18.4423,
3.5065

254.4317,
243.3524, 142.5711

■ 13.8660, 11.2680,
1.3587

■ 45.9859, 40.7896,
12.8546

■ 8.1086, 6.2474,
0.1092

■ 62.8596, 56.7313,
20.8920

■ 4.2169, 2.9961,
0.0000

■ 83.4259, 76.3643,
31.7296

■ 1.8256, 1.1297,
0.0000

■ 108.0499,
100.0730, 45.7861

■ 0.5330, 0.0031,
0.0000

■ 137.0972,
128.2418, 63.4800

■ 0.0000, 0.0000,
0.0000

■ 170.9330,

161.2550, 85.2298

209.9227,
199.4971, 111.4540

21.8544, 18.4423,
3.5065

21.8544, 18.4423,
3.5065

20.9351, 16.8436,
2.4614

22.9694, 20.2467,
5.1904

20.4245, 15.9180,
1.9960

24.2981, 22.2652,
7.6036

25.8576, 24.5085,
10.8228

27.6623, 26.9857,
14.9146

29.7252, 29.7051,
19.9385

■ 32.0585, 32.6744,
25.9489

■ 34.6734, 35.9010,
32.9958

■ 37.5803, 39.3919,
41.1258

■ 40.7891, 43.1538,
50.3827

Harmonies

Analogous

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



26.9579, 18.4423, 7.2905



21.8544, 18.4423, 3.5065



16.3899, 18.4423, 2.8672

Triad

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



21.8544, 18.4423, 3.5065



9.2835, 18.4423, 23.6036



24.2751, 18.4423, 53.4294

Complementary

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



21.8544, 18.4423, 3.5065



12.0121, 11.5523, 40.1243

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.



18.7193, 18.4423, 64.7449



21.8544, 18.4423, 3.5065



10.6031, 18.4423, 42.7675

Square

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



21.8544, 18.4423, 3.5065



9.7919, 18.4423, 10.6432



13.8154, 18.4423, 60.0925



28.5394, 18.4423, 33.9003

Rectangle

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



21.8544, 18.4423, 3.5065



13.3793, 18.4423, 3.7265



13.8154, 18.4423, 60.0925



22.4583, 18.4423, 58.6712

Sweetspot

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



21.8548, 18.4433, 3.5068



56.6192, 57.5181, 44.3810



19.3729, 10.3537, 12.3155



12.3028, 12.4171, 9.0580



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8548, 18.4433, 3.5068



36.3655, 28.0803, 3.5034



31.0522, 37.6019, 6.7201



8.3398, 8.6844, 8.4501



15.4503, 12.1061, 1.5224



0.4841, 0.4454, 0.0605

Inverse Universe

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



12.0121, 11.5523, 40.1243



18.2662, 15.4688, 71.0249



8.3127, 4.0528, 38.8717



7.8812, 8.3618, 10.1513



7.8289, 6.7917, 29.9428



0.2728, 0.2990, 0.8513

Previews

White Background



This preview shows how the XYZ color 21.8544, 18.4423, 3.5065 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 21.8544, 18.4423, 3.5065 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 21.8544, 18.4423, 3.5065

Background



This preview shows how black text looks on a background with the XYZ color 21.8544, 18.4423, 3.5065.



This preview shows how white text looks on a background with the XYZ color 21.8544, 18.4423,

3.5065.

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

21.8544, 18.4423, 3.5065

Protanopia

16.8087, 18.6056, 4.0718

Deuteranopia

18.8223, 18.4514, 3.3801



Tritanopia

24.3102, 18.4590, 15.1136

Trichromacy



Original Color

21.8544, 18.4423, 3.5065

Protanomaly

18.2973, 18.3366, 3.8713

Deuteranomaly

19.7447, 18.2766, 3.4068

Tritanomaly

23.2219, 18.4442, 9.1736

Monochromacy



Original Color

21.8544, 18.4423, 3.5065

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.2374, 17.1443, 10.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8544, 18.4423, 3.5065 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(171, 103, 28)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 28)  
}
```

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(171, 103, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 28) }
```

Border

The CSS property to change the border of an element to XYZ 21.8544, 18.4423, 3.5065 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(171, 103, 28) }
```


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

```
.border{ border-color:rgb(171, 103, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 103, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 28);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8544, 18.4423, 3.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 28) }
```

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

```
.background{ background-color: rgb(171,  
103, 28) }
```

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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