

Converting Colors

XYZ(21.7415, 16.7782, 6.8037)

Have a look what the booklet for
XYZ(21.7415, 16.7782, 6.8037)
contains.

XYZ(21.7376, 16.7838, 6.7965)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7376, 16.7838,
6.7965)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5C3F
RGB	172, 92, 63
RGB Percent	67%, 36%, 25%
CMY	0.3255, 0.6392, 0.7529
CMYK	0.00, 0.47, 0.63, 0.33
HSL	16°, 46%, 46%
HSV	16°, 63%, 67%
XYZ	21.7376, 16.7838, 6.7965
YIQ	112.6140, 56.9890, 7.9410

Conversions

Conversions Part 2

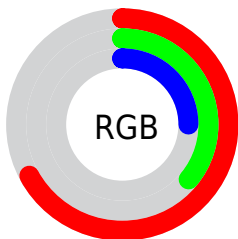
Format	Color
R_{YB}	172, 103, 63
Decimal	11295807
CIE _{Lab}	47.99, 29.97, 30.99
CIE _{LCh}	48, 43.105, 45.958
Yxy	16.7838, 0.4797, 0.3704
Android (android.graphics.Color)	4289485887 (0xFFAC5C3F)
YUV	112.6140, -24.4597, 52.0815
Hunter-Lab	40.9680, 23.0179, 18.8416

Details

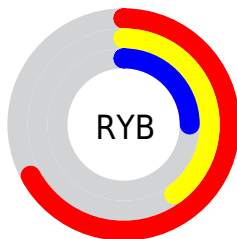
The XYZ color **21.7376, 16.7838, 6.7965** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.3181, 23.6789, 42.5819**, and the grayscale version is **15.6404, 16.4549, 17.9194**.

A 20% lighter version of the original color is **45.6467, 37.7815, 19.9256**, and **8.0885, 5.4932, 1.2501** is the 20% darker color. If you saturate the color by 10%, you get **20.3260, 14.6135, 4.3136**, and if you desaturate by 10%, it is **23.4824, 19.3804, 10.1315**.

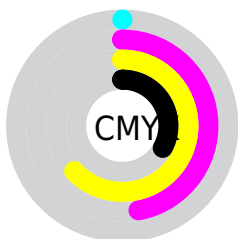
Distribution



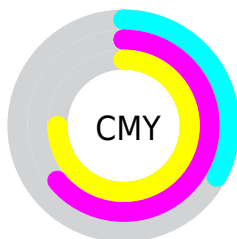
- Red (67%)
- Green (36%)
- Blue (25%)



- Red (67%)
- Yellow (40%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (33%)





- Cyan (33%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7376, 16.7838, 6.7965 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 21.7376, 16.7838, 6.7965 by changing the saturation by 10% instead.


 21.7376, 16.7838,
6.7965


 21.7376, 16.7838,
6.7965

253.8311,
233.9234, 175.5282

 13.7797, 10.0805,
3.2586


 45.7940, 37.9537,
20.0685


 8.0483, 5.4523,
1.2282


 62.6233, 53.1890,
30.6397

 4.1779, 2.5150,
0.0018

 83.1404, 72.0371,
44.3925

 1.8033, 0.8842,
0.0000

 107.7107, 94.8824,
61.7453

 0.5196, 0.0000,
0.0000

 136.6996,
122.1093, 83.1167

 0.0000, 0.0000,
0.0000

 170.4724,

154.1022, 108.9253

209.3944,
191.2454, 139.5896

■ 21.7376, 16.7838,
6.7965

■ 21.7376, 16.7838,
6.7965

■ 20.3260, 14.6135,
4.3136

■ 23.4824, 19.3804,
10.1315

■ 19.2229, 12.8431,
2.6025

■ 25.5802, 22.4224,
14.3872

■ 18.4014, 11.4467,
1.5685

■ 28.0507, 25.9311,
19.6262

■ 17.9812, 10.7066,
1.1189

■ 30.9116, 29.9255,
25.9053

■ 34.1795, 34.4234,
33.2770

■ 37.8699, 39.4419,
41.7901

■ 41.9976, 44.9971,
51.4905

■ 46.5766, 51.1044,
62.4216

■ 51.6202, 57.7787,
74.6246

Harmonies

Analogous

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



24.2786, 16.7838, 12.9954



21.7376, 16.7838, 6.7965



17.8370, 16.7838, 4.3755

Triad

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



21.7376, 16.7838, 6.7965



9.7410, 16.7838, 13.5544



18.0985, 16.7838, 47.5760

Complementary

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



21.7376, 16.7838, 6.7965



19.3181, 23.6789, 42.5819

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.



14.2057, 16.7838, 47.9278



21.7376, 16.7838, 6.7965



9.7876, 16.7838, 24.8194

Square

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



21.7376, 16.7838, 6.7965



11.1573, 16.7838, 7.0618



11.2973, 16.7838, 38.4024



21.9557, 16.7838, 37.5774

Rectangle

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



21.7376, 16.7838, 6.7965



15.1886, 16.7838, 4.1764



11.2973, 16.7838, 38.4024



16.7415, 16.7838, 48.9319

Sweetspot

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



21.7380, 16.7847, 6.7968



58.3779, 57.4672, 52.1436



23.8823, 14.3624, 28.2006



12.3405, 12.0107, 10.5554



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.



21.7380, 16.7847, 6.7968



36.0114, 25.1450, 6.4278



27.9976, 29.3040, 8.8833



8.1722, 8.3491, 8.3942



13.4206, 8.0467, 0.8458



0.4185, 0.3141, 0.0386

Inverse Universe

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



19.3181, 23.6789, 42.5819



31.1463, 38.4316, 76.5822



13.1736, 11.3900, 40.5337



8.0533, 8.7060, 10.2087



11.1622, 13.4583, 31.0539



0.3522, 0.4577, 0.8778

Previews

White Background



This preview shows how the XYZ color 21.7376, 16.7838, 6.7965 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 21.7376, 16.7838, 6.7965 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 21.7376, 16.7838, 6.7965

Background



This preview shows how black text looks on a background with the XYZ color 21.7376, 16.7838, 6.7965.



This preview shows how white text looks on a background with the XYZ color 21.7376, 16.7838,

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

21.7376, 16.7838, 6.7965

Protanopia

15.6121, 16.8495, 8.3907

Deuteranopia

17.0733, 16.8285, 6.4860



Tritanopia

22.9657, 16.7863, 12.6193

Trichromacy



Original Color

21.7376, 16.7838, 6.7965

Protanomaly

17.3528, 16.4762, 7.7345

Deuteranomaly

18.6148, 16.7021, 6.5177

Tritanomaly

22.3673, 16.6535, 10.2192

Monochromacy



Original Color

21.7376, 16.7838, 6.7965

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.9486, 15.9977, 13.0210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7376, 16.7838, 6.7965 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(172, 92, 63)` looks like.

```
.text, #text, p{  
    color:rgb(172, 92, 63)  
}
```

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(172, 92, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 92, 63) }
```

Border

The CSS property to change the border of an element to XYZ 21.7376, 16.7838, 6.7965 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(172, 92, 63) }
```


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

```
.border{ border-color:rgb(172, 92, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 92, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 92, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 92, 63);  
box-shadow:4px 4px 4px 4px rgb(172, 92,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7376, 16.7838, 6.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 92, 63) }
```

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

```
.background{ background-color: rgb(172, 92,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor