

Converting Colors

XYZ(21.1154, 16.7044, 7.4391)

Have a look what the booklet for
XYZ(21.1154, 16.7044, 7.4391)
contains.

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Color

**XYZ(21.1643, 16.7355,
7.4250)**

Conversions

Conversions Part 1

Format	Color
Hex	A85E43
RGB	168, 94, 67
RGB Percent	66%, 37%, 26%
CMY	0.3412, 0.6314, 0.7373
CMYK	0.00, 0.44, 0.60, 0.34
HSL	16°, 43%, 46%
HSV	16°, 60%, 66%
XYZ	21.1643, 16.7355, 7.4250
YIQ	113.0480, 52.7710, 7.2910

Conversions

Conversions Part 2

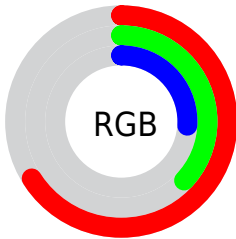
Format	Color
R _Y B	168, 104, 67
Decimal	11034179
CIE Lab	47.93, 27.52, 28.51
CIE LCh	48, 39.621, 46.009
Yxy	16.7355, 0.4669, 0.3692
Android (android.graphics.Color)	4289224259 (0xFFA85E43)
YUV	113.0480, -22.7017, 48.1929
Hunter-Lab	40.9090, 20.7562, 17.8752

Details

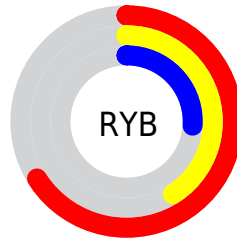
The XYZ color **21.1643, 16.7355, 7.4250** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.9069, 23.0690, 40.5019**, and the grayscale version is **15.7650, 16.5860, 18.0622**.

A 20% lighter version of the original color is **44.9563, 37.8426, 21.4579**, and **7.8137, 5.4606, 1.4528** is the 20% darker color. If you saturate the color by 10%, you get **19.7230, 14.5458, 4.8085**, and if you desaturate by 10%, it is **22.9272, 19.3345, 10.8703**.

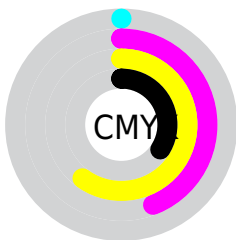
Distribution



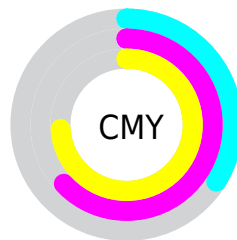
- Red (66%)
- Green (37%)
- Blue (26%)



- Red (66%)
- Yellow (41%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (60%)
- Black (34%)



- Cyan (34%)
- Magenta (63%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1643, 16.7355, 7.4250 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 21.1643, 16.7355, 7.4250 by changing the saturation by 10% instead.

■ 21.1643, 16.7355,
7.4250

■ 21.1643, 16.7355,
7.4250

250.8656,
233.6435, 180.9126

■ 13.3573, 10.0461,
3.6468

■ 44.8500, 37.8704,
21.3505

■ 7.7537, 5.4295,
1.4337

■ 61.4595, 53.0848,
32.3349

■ 3.9882, 2.5014,
0.1678

■ 81.7338, 71.9095,
46.5585

■ 1.6955, 0.8773,
0.0000

■ 106.0383, 94.7291,
64.4397

■ 0.4534, 0.0000,
0.0000

■ 134.7384,
121.9279, 86.3972

■ 0.0000, 0.0000,
0.0000

168.1994,

153.8903, 112.8495

206.7867,
191.0007, 144.2151

■ 21.1643, 16.7355,
7.4250

■ 21.1643, 16.7355,
7.4250

■ 19.7230, 14.5458,
4.8085

■ 22.9272, 19.3345,
10.8703

■ 18.5807, 12.7411,
2.9484

■ 25.0297, 22.3603,
15.2064

■ 17.7136, 11.2983,
1.7613

■ 27.4898, 25.8323,
20.4908

■ 17.0837, 10.1953,
1.0675

■ 30.3237, 29.7680,
26.7754

■ 33.5468, 34.1840,
34.1086

■ 37.1735, 39.0960,
42.5357

■ 41.2173, 44.5188,
52.0990

■ 45.6914, 50.4670,
62.8388

■ 50.6080, 56.9541,
74.7935

Harmonies

Analogous

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



23.4560, 16.7355, 13.3219



21.1643, 16.7355, 7.4250



17.6239, 16.7355, 5.0315

Triad

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



21.1643, 16.7355, 7.4250



10.1341, 16.7355, 13.8719



17.8751, 16.7355, 44.3910

Complementary

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



21.1643, 16.7355, 7.4250



18.9069, 23.0690, 40.5019

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.



14.3046, 16.7355, 44.7162



21.1643, 16.7355, 7.4250



10.1805, 16.7355, 24.1970

Square

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



21.1643, 16.7355, 7.4250



11.4629, 16.7355, 7.6973



11.6008, 16.7355, 36.3327



21.3717, 16.7355, 35.5628

Rectangle

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



21.1643, 16.7355, 7.4250



15.1990, 16.7355, 4.8327



11.6008, 16.7355, 36.3327



16.6358, 16.7355, 45.5860

Sweetspot

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



21.1647, 16.7364, 7.4253



56.0202, 55.3866, 50.8252



22.9683, 14.2643, 26.7681



11.8728, 11.6071, 10.3191



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.



21.1647, 16.7364, 7.4253



35.0692, 25.2723, 7.5019



27.2006, 28.8081, 9.4373



7.6882, 7.8565, 7.9005



12.9382, 7.7736, 0.8185



0.3559, 0.2714, 0.0336

Inverse Universe

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



18.9069, 23.0690, 40.5019



30.5138, 37.6125, 72.8768



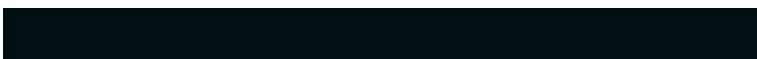
13.0869, 11.4289, 38.5619



7.5754, 8.1876, 9.5995



10.7376, 12.9353, 29.9063



0.2999, 0.3921, 0.7405

Previews

White Background



This preview shows how the XYZ color 21.1643, 16.7355, 7.4250 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 21.1643, 16.7355, 7.4250 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 21.1643, 16.7355, 7.4250

Background



This preview shows how black text looks on a background with the XYZ color 21.1643, 16.7355, 7.4250.



This preview shows how white text looks on a background with the XYZ color 21.1643, 16.7355,

7.4250.

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

21.1643, 16.7355, 7.4250

Protanopia

15.5995, 16.8277, 9.0825

Deuteranopia

17.0415, 16.7964, 7.1943



Tritanopia

22.3914, 16.7214, 13.3567

Trichromacy



Original Color

21.1643, 16.7355, 7.4250

Protanomaly

17.2426, 16.5587, 8.4183

Deuteranomaly

18.4821, 16.7663, 7.2631

Tritanomaly

21.7830, 16.5891, 10.8580

Monochromacy



Original Color

21.1643, 16.7355, 7.4250

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.9382, 16.1391, 13.2888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1643, 16.7355, 7.4250 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, 94, 67)` looks like.

```
.text, #text, p{  
    color:rgb(168, 94, 67)  
}
```

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, 94, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 94, 67) }
```

Border

The CSS property to change the border of an element to XYZ 21.1643, 16.7355, 7.4250 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, 94, 67) }
```


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

```
.border{ border-color:rgb(168, 94, 67) }
```

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

Here you see how a box with a 4 pixel rgb(168, 94, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 94, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 94, 67);  
box-shadow:4px 4px 4px 4px rgb(168, 94,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1643, 16.7355, 7.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 94, 67) }
```

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

```
.background{ background-color: rgb(168, 94,  
67) }
```

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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