

Converting Colors

XYZ(21.4862, 16.8827, 6.9769)

Have a look what the booklet for
XYZ(21.4862, 16.8827, 6.9769)
contains.

XYZ(21.5057, 16.9216, 6.9832)	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(21.5057, 16.9216,
6.9832)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5E40
RGB	170, 94, 64
RGB Percent	67%, 37%, 25%
CMY	0.3333, 0.6314, 0.7490
CMYK	0.00, 0.45, 0.62, 0.33
HSL	17°, 45%, 46%
HSV	17°, 62%, 67%
XYZ	21.5057, 16.9216, 6.9832
YIQ	113.3040, 54.9260, 6.7820

Conversions

Conversions Part 2

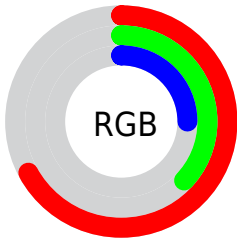
Format	Color
RYB	170, 106, 64
Decimal	11165248
CIELab	48.16, 28.12, 30.57
CIElCh	48, 41.535, 47.385
Yxy	16.9216, 0.4736, 0.3726
Android (android.graphics.Color)	4289355328 (0xFFAA5E40)
YUV	113.3040, -24.3069, 49.7224
Hunter-Lab	41.1359, 21.3314, 18.7301

Details

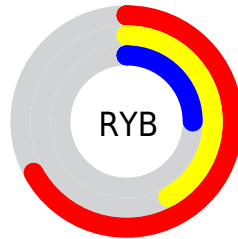
The XYZ color **21.5057, 16.9216, 6.9832** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.7476, 22.7473, 41.4327**, and the grayscale version is **15.8454, 16.6706, 18.1543**.

A 20% lighter version of the original color is **45.3631, 38.0787, 20.2883**, and **7.9133, 5.5152, 1.3093** is the 20% darker color. If you saturate the color by 10%, you get **20.0941, 14.7583, 4.4790**, and if you desaturate by 10%, it is **23.2367, 19.4880, 10.3216**.

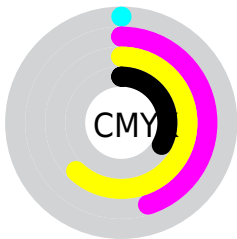
Distribution



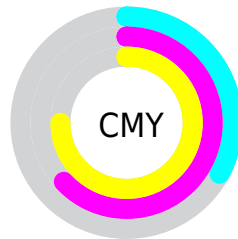
- Red (67%)
- Green (37%)
- Blue (25%)



- Red (67%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (62%)
- Black (33%)





- Cyan (33%)
- Magenta (63%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5057, 16.9216, 6.9832 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 21.5057, 16.9216, 6.9832 by changing the saturation by 10% instead.


 21.5057, 16.9216,
6.9832


 21.5057, 16.9216,
6.9832


252.6351,
234.7202, 177.1497


 13.6087, 10.1786,
3.3733


 45.4126, 38.1909,
20.4517


 7.9289, 5.5175,
1.2883


 62.1533, 53.4861,
31.1474

 4.1009, 2.5540,
0.0521

 82.5725, 72.4007,
45.0421

 1.7594, 0.9036,
0.0000

 107.0357, 95.3192,
62.5543

 0.4930, 0.0000,
0.0000

 135.9082,
122.6260, 84.1027

 0.0000, 0.0000,
0.0000

 169.5554,

154.7055, 110.1057

208.3425,
191.9421, 140.9818

■ 21.5057, 16.9216,
6.9832

■ 21.5057, 16.9216,
6.9832

■ 20.0941, 14.7583,
4.4790

■ 23.2367, 19.4880,
10.3216

■ 18.9789, 12.9738,
2.7323

■ 25.3055, 22.4746,
14.5598

■ 18.1352, 11.5451,
1.6534

■ 27.7306, 25.9009,
19.7577

■ 17.6394, 10.6698,
1.1298

■ 30.5284, 29.7840,
25.9700

■ 33.7146, 34.1403,
33.2469

■ 37.3036, 38.9853,
41.6356

■ 41.3093, 44.3339,
51.1803

■ 45.7449, 50.2001,
61.9227

■ 50.6229, 56.5975,
73.9025

Harmonies

Analogous

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



24.0375, 16.9216, 12.8934



21.5057, 16.9216, 6.9832



17.7186, 16.9216, 4.6864

Triad

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



21.5057, 16.9216, 6.9832



9.9976, 16.9216, 14.2537



18.3473, 16.9216, 46.1744

Complementary

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



21.5057, 16.9216, 6.9832



18.7476, 22.7473, 41.4327

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.



14.5522, 16.9216, 47.0042



21.5057, 16.9216, 6.9832



10.1118, 16.9216, 25.3474

Square

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



21.5057, 16.9216, 6.9832



11.3183, 16.9216, 7.6426



11.6591, 16.9216, 38.3065



22.0275, 16.9216, 36.3511

Rectangle

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



21.5057, 16.9216, 6.9832



15.1699, 16.9216, 4.5557



11.6591, 16.9216, 38.3065



17.0330, 16.9216, 47.6208

Sweetspot

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



21.5061, 16.9225, 6.9835



57.0543, 56.3259, 50.8840



23.2735, 14.1579, 26.9925



12.3792, 12.0880, 10.5683



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.



21.5061, 16.9225, 6.9835



35.5856, 25.3994, 6.6998



27.6692, 29.2486, 9.0379



7.6976, 7.8753, 7.9036



13.0178, 7.9329, 0.8451



0.3594, 0.2783, 0.0348

Inverse Universe

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



18.7476, 22.7473, 41.4327



30.0476, 36.6549, 74.4933



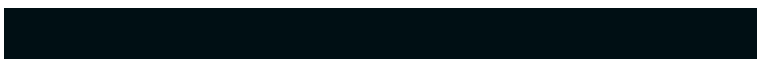
12.9204, 11.0929, 39.4903



7.5654, 8.1678, 9.5961



10.4951, 12.4504, 29.8255



0.2954, 0.3831, 0.7390

Previews

White Background



This preview shows how the XYZ color 21.5057, 16.9216, 6.9832 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 21.5057, 16.9216, 6.9832 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 21.5057, 16.9216, 6.9832

Background



This preview shows how black text looks on a background with the XYZ color 21.5057, 16.9216, 6.9832.



This preview shows how white text looks on a background with the XYZ color 21.5057, 16.9216,

6.9832.

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

21.5057, 16.9216, 6.9832

Protanopia

15.7579, 17.0893, 8.5989

Deuteranopia

17.2954, 16.9369, 6.7725



Tritanopia

22.7807, 16.9275, 13.1330

Trichromacy



Original Color

21.5057, 16.9216, 6.9832

Protanomaly

17.3164, 16.6078, 7.9232

Deuteranomaly

18.7687, 16.9238, 6.8348

Tritanomaly

22.1359, 16.7802, 10.4597

Monochromacy



Original Color

21.5057, 16.9216, 6.9832

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0511, 16.2026, 13.0552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5057, 16.9216, 6.9832 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(170, 94, 64)` looks like.

```
.text, #text, p{  
    color:rgb(170, 94, 64)  
}
```

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(170, 94, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 94, 64) }
```

Border

The CSS property to change the border of an element to XYZ 21.5057, 16.9216, 6.9832 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(170, 94, 64) }
```


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

```
.border{ border-color:rgb(170, 94, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 94, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 94, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 94, 64);  
box-shadow:4px 4px 4px 4px rgb(170, 94,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5057, 16.9216, 6.9832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 94, 64) }
```

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

```
.background{ background-color: rgb(170, 94,  
64) }
```

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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