

Converting Colors

XYZ(21.5277, 16.9471, 6.1514)

Have a look what the booklet for
XYZ(21.5277, 16.9471, 6.1514)
contains.

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Color

**XYZ(21.5610, 16.9688,
6.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5E3A
RGB	171, 94, 58
RGB Percent	67%, 37%, 23%
CMY	0.3294, 0.6314, 0.7725
CMYK	0.00, 0.45, 0.66, 0.33
HSL	19°, 49%, 45%
HSV	19°, 66%, 67%
XYZ	21.5610, 16.9688, 6.1419
YIQ	112.9190, 57.4480, 5.1280

Conversions

Conversions Part 2

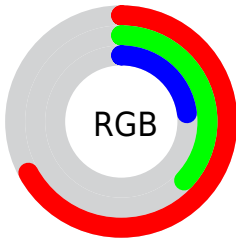
Format	Color
R _Y B	171, 111, 58
Decimal	11230778
CIE Lab	48.22, 28.13, 34.02
CIE LCh	48, 44.143, 50.420
Yxy	16.9688, 0.4827, 0.3799
Android (android.graphics.Color)	4289420858 (0xFFAB5E3A)
YUV	112.9190, -27.0751, 50.9370
Hunter-Lab	41.1932, 21.3409, 19.9951

Details

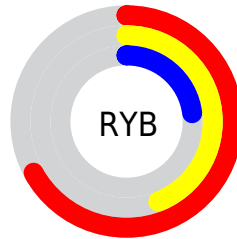
The XYZ color **21.5610, 16.9688, 6.1419** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.7590, 21.1665, 41.6774**, and the grayscale version is **15.7383, 16.5579, 18.0315**.

A 20% lighter version of the original color is **45.3600, 38.1144, 18.6017**, and **7.9891, 5.5605, 1.0330** is the 20% darker color. If you saturate the color by 10%, you get **20.2370, 14.9053, 3.8992**, and if you desaturate by 10%, it is **23.1867, 19.4047, 9.1982**.

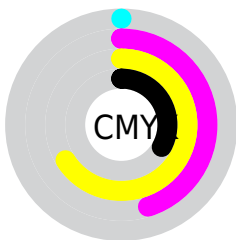
Distribution



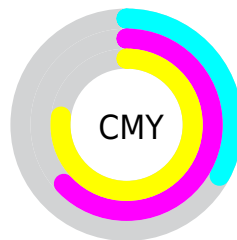
- Red (67%)
- Green (37%)
- Blue (23%)



- Red (67%)
- Yellow (44%)
- Blue (23%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (33%)





- Cyan (33%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5610, 16.9688, 6.1419 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 21.5610, 16.9688, 6.1419 by changing the saturation by 10% instead.


 21.5610, 16.9688,
6.1419


 21.5610, 16.9688,
6.1419


252.9207,
234.9925, 169.6808


 13.6495, 10.2122,
2.8614


 45.5036, 38.2721,
18.7074


 7.9573, 5.5399,
1.0243


 62.2654, 53.5877,
28.8296

 4.1192, 2.5674,
0.0000

 82.7081, 72.5250,
42.0693

 1.7698, 0.9103,
0.0000

 107.1968, 95.4686,
58.8451

 0.4994, 0.0000,
0.0000

 136.0971,
122.8027, 79.5757

 0.0000, 0.0000,
0.0000

 169.7743,

154.9118, 104.6794

208.5937,
192.1803, 134.5750

■ 21.5610, 16.9688,
6.1419

■ 21.5610, 16.9688,
6.1419

■ 20.2370, 14.9053,
3.8992

■ 23.1867, 19.4047,
9.1982

■ 19.1916, 13.1917,
2.3881

■ 25.1323, 22.2286,
13.1373

■ 18.3978, 11.8057,
1.5015

■ 27.4160, 25.4584,
18.0221

■ 18.1363, 11.3415,
1.2332

■ 30.0540, 29.1099,
23.9093

■ 33.0614, 33.1981,
30.8513

■ 36.4525, 37.7372,
38.8967

■ 40.2407, 42.7408,
48.0911

■ 44.4387, 48.2219,
58.4773

■ 49.0588, 54.1928,
70.0963

Harmonies

Analogous

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



24.4939, 16.9688, 11.7890



21.5610, 16.9688, 6.1419



17.4468, 16.9688, 4.1299

Triad

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



21.5610, 16.9688, 6.1419



9.6537, 16.9688, 15.0371



18.9730, 16.9688, 47.8862

Complementary

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



21.5610, 16.9688, 6.1419



17.7590, 21.1665, 41.6774

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.



14.8780, 16.9688, 49.9539



21.5610, 16.9688, 6.1419



9.9241, 16.9688, 27.3081

Square

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



21.5610, 16.9688, 6.1419



10.8824, 16.9688, 7.6701



11.6947, 16.9688, 41.2769



22.8361, 16.9688, 36.4351

Rectangle

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



21.5610, 16.9688, 6.1419



14.7727, 16.9688, 4.1506



11.6947, 16.9688, 41.2769



17.5645, 16.9688, 49.8448

Sweetspot

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



21.5614, 16.9697, 6.1422



56.8277, 56.2309, 49.7048



22.6961, 13.4395, 24.3996



12.3476, 12.0972, 10.3353



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.



21.5614, 16.9697, 6.1422



35.3769, 25.2955, 5.6640



28.5098, 30.8666, 8.4584



8.2058, 8.4164, 8.4054



13.7150, 8.6356, 0.9440



0.4316, 0.3403, 0.0429

Inverse Universe

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



17.7590, 21.1665, 41.6774



27.9557, 33.1357, 73.9243



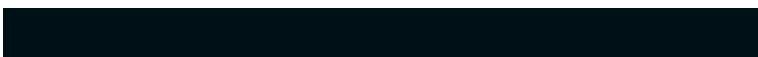
11.8713, 9.3911, 39.7148



8.0179, 8.6351, 10.1969



10.3433, 11.8204, 30.7809



0.3341, 0.4216, 0.8718

Previews

White Background



This preview shows how the XYZ color 21.5610, 16.9688, 6.1419 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 21.5610, 16.9688, 6.1419 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 21.5610, 16.9688, 6.1419

Background



This preview shows how black text looks on a background with the XYZ color 21.5610, 16.9688, 6.1419.



This preview shows how white text looks on a background with the XYZ color 21.5610, 16.9688,

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

21.5610, 16.9688, 6.1419

Protanopia

15.6891, 17.0787, 7.4707

Deuteranopia

17.3136, 16.9639, 5.9763



Tritanopia

22.9173, 16.8735, 13.1154

Trichromacy



Original Color

21.5610, 16.9688, 6.1419

Protanomaly

17.2825, 16.6140, 6.8534

Deuteranomaly

18.8010, 16.9585, 6.0238

Tritanomaly

22.2773, 16.8620, 10.0632

Monochromacy



Original Color

21.5610, 16.9688, 6.1419

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.9613, 16.1667, 12.5825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5610, 16.9688, 6.1419 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, 94, 58)` looks like.

```
.text, #text, p{  
    color:rgb(171, 94, 58)  
}
```

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, 94, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 94, 58) }
```

Border

The CSS property to change the border of an element to XYZ 21.5610, 16.9688, 6.1419 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, 94, 58) }
```


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

```
.border{ border-color:rgb(171, 94, 58) }
```

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

Here you see how a box with a 4 pixel rgb(171, 94, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 94, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 94, 58);  
box-shadow:4px 4px 4px 4px rgb(171, 94,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5610, 16.9688, 6.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 94, 58) }
```

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

```
.background{ background-color: rgb(171, 94,  
58) }
```

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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