

Converting Colors

XYZ(21.4323, 17.8598, 6.7326)

Have a look what the booklet for
XYZ(21.4323, 17.8598, 6.7326)
contains.

XYZ(21.4323, 17.8598, 6.7326)	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(21.4323, 17.8598,
6.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	A7653D
RGB	167, 101, 61
RGB Percent	65%, 40%, 24%
CMY	0.3451, 0.6039, 0.7608
CMYK	0.00, 0.40, 0.63, 0.35
HSL	23°, 46%, 45%
HSV	23°, 63%, 65%
XYZ	21.4323, 17.8598, 6.7326
YIQ	116.1740, 52.1760, 1.5520

Conversions

Conversions Part 2

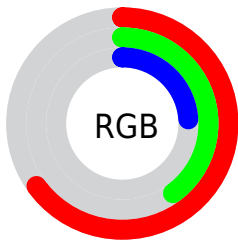
Format	Color
RYB	167, 125, 61
Decimal	10970429
CIELab	49.33, 22.76, 33.54
CIELCh	49, 40.534, 55.848
Yxy	17.8598, 0.4657, 0.3880
Android (android.graphics.Color)	4289160509 (0xFFA7653D)
YUV	116.1740, -27.2008, 44.5744
Hunter-Lab	42.2609, 16.5685, 20.1371

Details

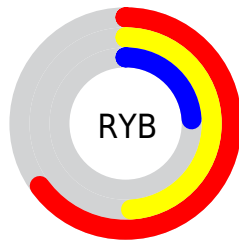
The XYZ color **21.4323, 17.8598, 6.7326** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.4883, 18.9597, 39.3494**, and the grayscale version is **16.7240, 17.5949, 19.1609**.

A 20% lighter version of the original color is **45.0940, 39.5898, 20.0167**, and **7.9222, 5.9631, 1.2237** is the 20% darker color. If you saturate the color by 10%, you get **20.1042, 15.8148, 4.4057**, and if you desaturate by 10%, it is **23.0291, 20.2181, 9.8405**.

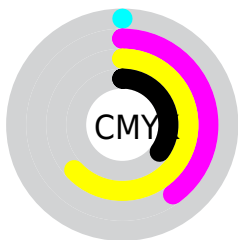
Distribution



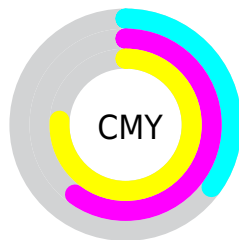
- Red (65%)
- Green (40%)
- Blue (24%)



- Red (65%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (63%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4323, 17.8598, 6.7326 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 21.4323, 17.8598, 6.7326 by changing the saturation by 10% instead.


 21.4323, 17.8598,
6.7326


 21.4323, 17.8598,
6.7326


252.2556,
240.0796, 174.9687


 13.5546, 10.8494,
3.2195


 45.2918, 39.7983,
19.9368


 7.8912, 5.9656,
1.2078


 62.0043, 55.4951,
30.4651


 4.0766, 2.8242,
0.0000

 82.3925, 74.8562,
44.1689

 1.7456, 1.0407,
0.0000

 106.8216, 98.2660,
61.4666

 0.4845, 0.0000,
0.0000

 135.6572,
126.1089, 82.7769

 0.0000, 0.0000,
0.0000

 169.2644,

158.7691, 108.5184

208.0088,
196.6313, 139.1094

■ 21.4323, 17.8598,
6.7326

■ 21.4323, 17.8598,
6.7326

■ 20.1042, 15.8148,
4.4057

■ 23.0291, 20.2181,
9.8405

■ 19.0252, 14.0655,
2.7860

■ 24.9096, 22.9008,
13.7918

■ 18.1745, 12.5963,
1.7871

■ 27.0891, 25.9214,
18.6438

■ 17.7151, 11.7733,
1.3388

■ 29.5811, 29.2921,
24.4484

■ 32.3985, 33.0242,
31.2536

■ 35.5534, 37.1286,
39.1039

■ 39.0570, 41.6155,
48.0415

■ 42.9202, 46.4950,
58.1058

■ 47.1533, 51.7765,
69.3346

Harmonies

Analogous

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



24.4643, 17.8598, 11.6539



21.4323, 17.8598, 6.7326



17.5116, 17.8598, 5.1232

Triad

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



21.4323, 17.8598, 6.7326



10.6631, 17.8598, 17.9653



20.3761, 17.8598, 45.1213

Complementary

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



21.4323, 17.8598, 6.7326



16.4883, 18.9597, 39.3494

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.



16.4499, 17.8598, 48.8017



21.4323, 17.8598, 6.7326



11.1955, 17.8598, 30.1110

Square

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



21.4323, 17.8598, 6.7326



11.6026, 17.8598, 9.8806



13.1833, 17.8598, 42.5089



23.7933, 17.8598, 33.7746

Rectangle

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



21.4323, 17.8598, 6.7326



15.0510, 17.8598, 5.4345



13.1833, 17.8598, 42.5089



19.0568, 17.8598, 47.4427

Sweetspot

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



21.4327, 17.8607, 6.7329



54.9895, 55.1405, 48.5952



21.5101, 13.1151, 21.8659



12.0022, 11.9357, 10.1474



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.



21.4327, 17.8607, 6.7329



35.2000, 27.0389, 6.6150



28.1479, 31.2910, 8.9713



7.7545, 7.9890, 7.9226



13.6000, 9.0973, 1.0392



0.3803, 0.3201, 0.0417

Inverse Universe

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



16.4883, 18.9597, 39.3494



25.5608, 29.0307, 69.7316



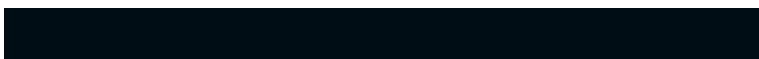
11.4248, 8.8326, 37.6616



7.5061, 8.0491, 9.5764



9.1717, 9.8035, 29.3844



0.2700, 0.3322, 0.7305

Previews

White Background



This preview shows how the XYZ color 21.4323, 17.8598, 6.7326 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 21.4323, 17.8598, 6.7326 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 21.4323, 17.8598, 6.7326

Background



This preview shows how black text looks on a background with the XYZ color 21.4323, 17.8598, 6.7326.



This preview shows how white text looks on a background with the XYZ color 21.4323, 17.8598,

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

21.4323, 17.8598, 6.7326

Protanopia

16.5448, 18.0292, 7.9182

Deuteranopia

18.2606, 17.9239, 6.6349



Tritanopia

23.2086, 17.8911, 15.0621

Trichromacy



Original Color

21.4323, 17.8598, 6.7326

Protanomaly

18.0760, 17.8096, 7.4859

Deuteranomaly

19.3150, 17.8237, 6.6973

Tritanomaly

22.4913, 17.8750, 11.4973

Monochromacy



Original Color

21.4323, 17.8598, 6.7326

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7874, 17.3643, 13.4805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4323, 17.8598, 6.7326 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(167, 101, 61)` looks like.

```
.text, #text, p{  
    color:rgb(167, 101, 61)  
}
```

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(167, 101, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 101, 61) }
```

Border

The CSS property to change the border of an element to XYZ 21.4323, 17.8598, 6.7326 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(167, 101, 61) }
```


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

```
.border{ border-color:rgb(167, 101, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 101, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 101, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 101, 61);  
box-shadow:4px 4px 4px 4px rgb(167, 101,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4323, 17.8598, 6.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 101, 61) }
```

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

```
.background{ background-color: rgb(167,  
101, 61) }
```

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