

Converting Colors

XYZ(22.1510, 18.1970, 8.3048)

Have a look what the booklet for
XYZ(22.1510, 18.1970, 8.3048)
contains.

XYZ(22.1532, 18.1973, 8.3061)	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(22.1532, 18.1973,
8.3061)**

Conversions

Conversions Part 1

Format	Color
Hex	A96547
RGB	169, 101, 71
RGB Percent	66%, 40%, 28%
CMY	0.3373, 0.6039, 0.7216
CMYK	0.00, 0.40, 0.58, 0.34
HSL	18°, 41%, 47%
HSV	18°, 58%, 66%
XYZ	22.1532, 18.1973, 8.3061
YIQ	117.9120, 50.1580, 5.0860

Conversions

Conversions Part 2

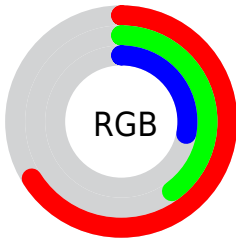
Format	Color
R_{YB}	169, 114, 71
Decimal	11101511
CIE Lab	49.73, 24.37, 28.51
CIE LCh	50, 37.507, 49.483
Yxy	18.1973, 0.4553, 0.3740
Android (android.graphics.Color)	4289291591 (0xFFA96547)
YUV	117.9120, -23.1276, 44.8042
Hunter-Lab	42.6583, 18.0462, 18.3163




Details

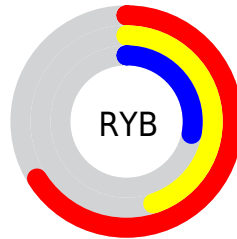
The XYZ color **22.1532, 18.1973, 8.3061** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.9921, 22.6683, 40.9104**, and the grayscale version is **17.2519, 18.1503, 19.7657**.




A 20% lighter version of the original color is **46.4600, 40.4694, 23.1320**, and **8.2696, 6.1315, 1.7249** is the 20% darker color. If you saturate the color by 10%, you get **20.6260, 15.8936, 5.4832**, and if you desaturate by 10%, it is **23.9946, 20.8882, 11.9783**.

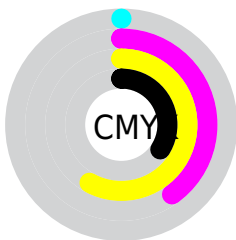
Distribution







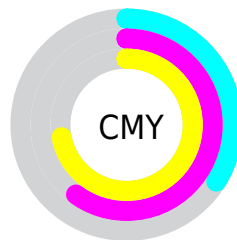
-  Red (66%)
-  Green (40%)
-  Blue (28%)






-  Red (66%)
-  Yellow (45%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (40%)
-  Yellow (58%)
-  Black (34%)



-  Cyan (34%)
-  Magenta (60%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1532, 18.1973, 8.3061 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 22.1532, 18.1973, 8.3061 by changing the saturation by 10% instead.

■ 22.1532, 18.1973,
8.3061

■ 22.1532, 18.1973,
8.3061

255.9626,
241.9808, 188.1369

■ 14.0867, 11.0917,
4.2009

■ 46.4760, 40.3732,
23.1124

■ 8.2631, 6.1286,
1.7362

■ 63.4631, 56.2124,
34.6505

■ 4.3170, 2.9234,
0.3853

■ 84.1545, 75.7315,
49.5033

■ 1.8830, 1.0919,
0.0000

■ 108.9155, 99.3150,
68.0894

■ 0.5669, 0.0000,
0.0000

■ 138.1114,
127.3473, 90.8272

■ 0.0000, 0.0000,
0.0000

172.1077,

160.2128, 118.1354

211.2696,
198.2958, 150.4325

■ 22.1532, 18.1973,
8.3061

■ 22.1532, 18.1973,
8.3061

■ 20.6260, 15.8936,
5.4832

■ 23.9946, 20.8882,
11.9783

■ 19.3920, 13.9553,
3.4385

■ 26.1667, 23.9808,
16.5607

■ 18.4292, 12.3629,
2.0909

■ 28.6863, 27.4924,
22.1101

■ 17.7046, 11.0902,
1.3052

■ 31.5687, 31.4384,
28.6780

■ 17.5786, 10.8680,
1.1712

■ 34.8281, 35.8333,
36.3123

■ 38.4780, 40.6909,
45.0581

■ 42.5313, 46.0245,
54.9576

■ 47.0000, 51.8467,
66.0509

■ 51.8959, 58.1698,
78.3761

Harmonies

Analogous

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



24.6131, 18.1973, 13.9504



22.1532, 18.1973, 8.3061



18.5803, 18.1973, 6.0834

Triad

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



22.1532, 18.1973, 8.3061



11.3835, 18.1973, 16.4356



19.6895, 18.1973, 44.7465

Complementary

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



22.1532, 18.1973, 8.3061



18.9921, 22.6683, 40.9104

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.



16.0723, 18.1973, 46.1304



22.1532, 18.1973, 8.3061



11.5951, 18.1973, 27.1255

Square

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



22.1532, 18.1973, 8.3061



12.5822, 18.1973, 9.5845



13.2063, 18.1973, 38.8460



23.0607, 18.1973, 35.5385

Rectangle

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



22.1532, 18.1973, 8.3061



16.1889, 18.1973, 6.0554



13.2063, 18.1973, 38.8460



18.4525, 18.1973, 46.2389

Sweetspot

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



22.1536, 18.1982, 8.3064



56.9151, 56.8165, 52.2332



23.3196, 14.8233, 26.2887



12.1782, 12.0754, 10.8607



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.



22.1536, 18.1982, 8.3064



36.1626, 27.2608, 8.4777



28.3103, 30.5116, 10.3587



7.7115, 7.9030, 7.9083



13.1438, 8.1849, 0.8871



0.3645, 0.2885, 0.0365

Inverse Universe

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



18.9921, 22.6683, 40.9104



29.8682, 35.9009, 72.5804



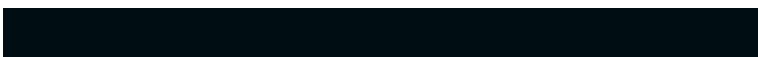
13.4671, 11.6183, 39.0687



7.5508, 8.1386, 9.5913



10.1498, 11.7597, 29.7104



0.2890, 0.3702, 0.7369

Previews

White Background



This preview shows how the XYZ color 22.1532, 18.1973, 8.3061 looks on a white background.

Color Contrast Check

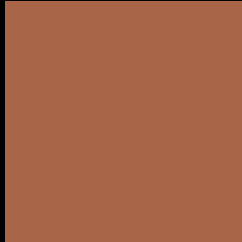
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1532, 18.1973, 8.3061 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 22.1532, 18.1973, 8.3061

Background



This preview shows how black text looks on a background with the XYZ color 22.1532, 18.1973, 8.3061.



This preview shows how white text looks on a background with the XYZ color 22.1532, 18.1973,

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

22.1532, 18.1973, 8.3061

Protanopia

17.0252, 18.4108, 9.8640

Deuteranopia

18.6256, 18.2474, 8.0093



Tritanopia

23.5680, 18.2068, 15.3688

Trichromacy



Original Color

22.1532, 18.1973, 8.3061

Protanomaly

18.5658, 18.0256, 9.1574

Deuteranomaly

19.8692, 18.2370, 8.1031

Tritanomaly

22.8770, 18.0541, 12.4043

Monochromacy



Original Color

22.1532, 18.1973, 8.3061

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.4597, 17.8463, 14.7837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1532, 18.1973, 8.3061 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(169, 101, 71)` looks like.

```
.text, #text, p{  
    color:rgb(169, 101, 71)  
}
```

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(169, 101, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 101, 71) }
```

Border

The CSS property to change the border of an element to XYZ 22.1532, 18.1973, 8.3061 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(169, 101, 71) }
```


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

```
.border{ border-color:rgb(169, 101, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 101, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 101, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 101, 71);  
box-shadow:4px 4px 4px 4px rgb(169, 101,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1532, 18.1973, 8.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 101, 71) }
```

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

```
.background{ background-color: rgb(169,  
101, 71) }
```

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