

Converting Colors

XYZ(21.4434, 19.6802, 3.0252)

Have a look what the booklet for
XYZ(21.4434, 19.6802, 3.0252)
contains.

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Color

**XYZ(21.3776, 19.6142,
3.0070)**

Conversions

Conversions Part 1

Format	Color
Hex	A5700C
RGB	165, 112, 12
RGB Percent	65%, 44%, 5%
CMY	0.3529, 0.5608, 0.9529
CMYK	0.00, 0.32, 0.93, 0.35
HSL	39°, 86%, 35%
HSV	39°, 93%, 65%
XYZ	21.3776, 19.6142, 3.0070
YIQ	116.4470, 63.6880, -19.8640

Conversions

Conversions Part 2

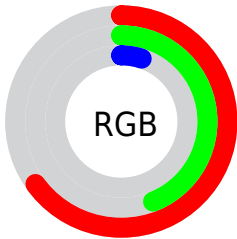
Format	Color
R_{YB}	93, 165, 12
Decimal	10842124
CIE Lab	51.40, 13.56, 55.75
CIE LCh	51, 57.376, 76.327
Yxy	19.6142, 0.4859, 0.4458
Android (android.graphics.Color)	4289032204 (0xFFA5700C)
YUV	116.4470, -51.4924, 42.5810
Hunter-Lab	44.2879, 8.6574, 26.9760

Details

The XYZ color **21.3776, 19.6142, 3.0070** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.8335, 6.5754, 36.4007**, and the grayscale version is **16.8783, 17.7573, 19.3377**.

A 20% lighter version of the original color is **45.4323, 43.0007, 11.6998**, and **8.0177, 6.8549, 0.9006** is the 20% darker color. If you saturate the color by 10%, you get **20.8633, 18.6920, 2.5083**, and if you desaturate by 10%, it is **22.1782, 20.9766, 4.0106**.

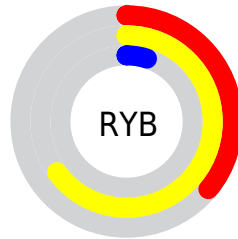
Distribution



Red (65%)

Green (44%)

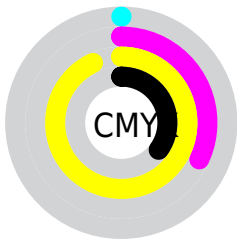
Blue (5%)



Red (36%)

Yellow (65%)

Blue (5%)

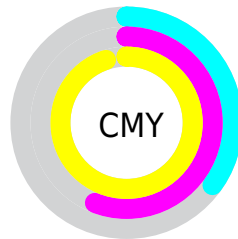


Cyan (0%)

Magenta (32%)

Yellow (93%)

Black (35%)



Cyan (35%)

Magenta (56%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3776, 19.6142, 3.0070 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 21.3776, 19.6142, 3.0070 by changing the saturation by 10% instead.

■ 21.3776, 19.6142,
3.0070

■ 21.3776, 19.6142,
3.0070

251.9724,
249.8188, 136.4497

■ 13.5143, 12.1149,
1.0982

■ 45.2017, 42.7694,
11.6457

■ 7.8631, 6.8220,
0.0000

■ 61.8932, 59.1941,
19.2127

■ 4.0585, 3.3510,
0.0000

■ 82.2582, 79.3628,
29.5028

■ 1.7353, 1.3176,
0.0000

■ 106.6620,
103.6598, 42.9347


■ 0.4782, 0.1548,
0.0000


■ 135.4699,
132.4695, 59.9267


■ 0.0000, 0.0000,
0.0000


■ 169.0474,


166.1763, 80.8976


 207.7598,
205.1646, 106.2657


 21.3776, 19.6142,
3.0070


 21.3776, 19.6142,
3.0070


 20.8633, 18.6920,
2.5083

 22.1782, 20.9766,
4.0106

 23.1278, 22.4630,
5.6000

 24.2431, 24.0819,
7.8571

 25.5376, 25.8400,
10.8504

 27.0234, 27.7431,
14.6396

■ 28.7112, 29.7965,
19.2785

■ 30.6109, 32.0052,
24.8160

■ 32.7318, 34.3739,
31.2973

■ 35.0824, 36.9070,
38.7645

Harmonies

Analogous

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



27.3580, 19.6142, 5.6742



21.3776, 19.6142, 3.0070



15.7067, 19.6142, 3.1108

Triad

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



21.3776, 19.6142, 3.0070



9.9245, 19.6142, 31.5410



27.8278, 19.6142, 51.4967

Complementary

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



21.3776, 19.6142, 3.0070



8.8335, 6.5754, 36.4007

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.



21.9235, 19.6142, 68.3733



21.3776, 19.6142, 3.0070



12.0080, 19.6142, 53.3819

Square

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



21.3776, 19.6142, 3.0070



9.8377, 19.6142, 14.7174



16.1516, 19.6142, 69.2002



31.5671, 19.6142, 29.7413

Rectangle

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



21.3776, 19.6142, 3.0070



12.8349, 19.6142, 4.6640



16.1516, 19.6142, 69.2002



25.9817, 19.6142, 58.3260

Sweetspot

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



21.3780, 19.6152, 3.0074



52.8055, 54.9950, 38.5017



16.6188, 8.6505, 5.8793



11.2488, 11.6752, 7.5692



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3780, 19.6152, 3.0074



37.1687, 33.0836, 4.4268



24.6854, 32.6919, 5.3571



7.4419, 7.8222, 7.4977



15.8313, 14.2365, 1.9135



0.3741, 0.3821, 0.0540

Inverse Universe

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



8.8335, 6.5754, 36.4007



14.6250, 9.7890, 64.8710



7.6146, 3.3362, 35.8397



6.8918, 7.2425, 8.9378



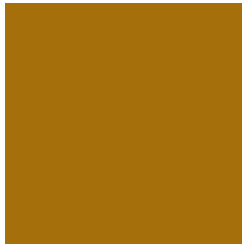
6.2934, 4.3662, 27.4408



0.1751, 0.1774, 0.5909

Previews

White Background



This preview shows how the XYZ color 21.3776, 19.6142, 3.0070 looks on a white background.

Color Contrast Check

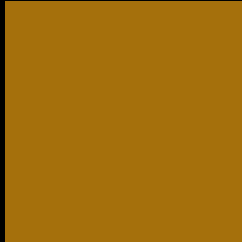
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3776, 19.6142, 3.0070 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 21.3776, 19.6142, 3.0070

Background



This preview shows how black text looks on a background with the XYZ color 21.3776, 19.6142, 3.0070.



This preview shows how white text looks on a background with the XYZ color 21.3776, 19.6142,

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

21.3776, 19.6142, 3.0070

Protanopia

17.8239, 19.6923, 3.3518

Deuteranopia

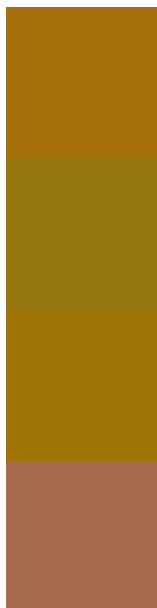
19.8789, 19.6911, 2.7530



Tritanopia

24.4525, 19.6165, 17.8268

Trichromacy



Original Color

21.3776, 19.6142, 3.0070

Protanomaly

18.8958, 19.5240, 3.2245

Deuteranomaly

20.4507, 19.6412, 2.8281

Tritanomaly

22.7107, 19.3620, 9.3777

Monochromacy



Original Color

21.3776, 19.6142, 3.0070

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3374, 17.8799, 9.7451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3776, 19.6142, 3.0070 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(165, 112, 12)` looks like.

```
.text, #text, p{  
    color:rgb(165, 112, 12)  
}
```

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(165, 112, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 112, 12) }
```

Border

The CSS property to change the border of an element to XYZ 21.3776, 19.6142, 3.0070 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(165, 112, 12) }
```


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

```
.border{ border-color:rgb(165, 112, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 112, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 112, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 112, 12);  
box-shadow:4px 4px 4px 4px rgb(165, 112,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3776, 19.6142, 3.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 112, 12) }
```

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

```
.background{ background-color: rgb(165,  
112, 12) }
```

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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