

Converting Colors

XYZ(18.1022, 16.1570, 2.6481)

Have a look what the booklet for
XYZ(18.1022, 16.1570, 2.6481)
contains.

XYZ(17.9771, 16.0218, 2.6352)	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(17.9771, 16.0218,
2.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6410
RGB	154, 100, 16
RGB Percent	60%, 39%, 6%
CMY	0.3961, 0.6078, 0.9372
CMYK	0.00, 0.35, 0.90, 0.40
HSL	37°, 81%, 33%
HSV	37°, 90%, 60%
XYZ	17.9771, 16.0218, 2.6352
YIQ	106.5700, 59.1480, -14.6760

Conversions

Conversions Part 2

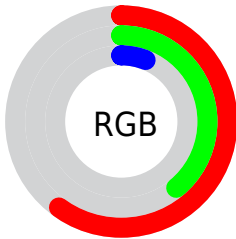
Format	Color
R_{YB}	105, 154, 16
Decimal	10118160
CIE _{Lab}	47.00, 15.45, 50.77
CIE _{LCh}	47, 53.072, 73.081
Yxy	16.0218, 0.4907, 0.4373
Android (android.graphics.Color)	4288308240 (0xFF9A6410)
YUV	106.5700, -44.6510, 41.5961
Hunter-Lab	40.0272, 10.1205, 24.1157

Details

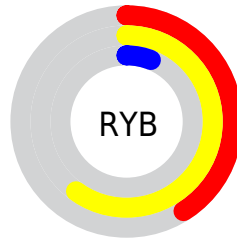
The XYZ color **17.9771, 16.0218, 2.6352** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2364, 6.8233, 31.4544**, and the grayscale version is **13.9647, 14.6919, 15.9995**.

A 20% lighter version of the original color is **39.6127, 36.7215, 10.7945**, and **6.3101, 5.1429, 0.6601** is the 20% darker color. If you saturate the color by 10%, you get **17.3304, 14.8730, 1.9747**, and if you desaturate by 10%, it is **18.7361, 17.2853, 3.6733**.

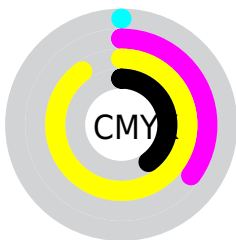
Distribution



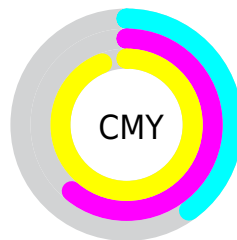
- Red (60%)
- Green (39%)
- Blue (6%)



- Red (41%)
- Yellow (60%)
- Blue (6%)



- Cyan (0%)
- Magenta (35%)
- Yellow (90%)
- Black (40%)



- Cyan (40%)
- Magenta (61%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9771, 16.0218, 2.6352 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 17.9771, 16.0218, 2.6352 by changing the saturation by 10% instead.

■ 17.9771, 16.0218,
2.6352

■ 17.9771, 16.0218,
2.6352

233.7900,
229.4703, 131.5695

■ 11.0331, 9.5396,
0.9105

■ 39.5287, 36.6360,
10.7142

■ 6.1566, 5.0948,
0.0000

■ 54.8670, 51.5369,
17.9065

■ 2.9821, 2.3030,
0.0000

■ 73.7342, 70.0127,
27.7589

■ 1.1443, 0.7753,
0.0000

■ 96.4956, 92.4479,
40.6898

■ 0.0617, 0.0000,
0.0000

■ 123.5165,
119.2268, 57.1178

■ 0.0000, 0.0000,
0.0000

■ 155.1623,

150.7340, 77.4613

191.7983,
187.3537, 102.1391

17.9771, 16.0218,
2.6352

17.9771, 16.0218,
2.6352

17.3304, 14.8730,
1.9747

18.7361, 17.2853,
3.6733

17.3062, 14.8297,
1.9503

19.6358, 18.6743,
5.2381

20.6894, 20.1961,
7.3945

21.9083, 21.8565,
10.1973

23.3025, 23.6609,
13.6954

■ 24.8810, 25.6142,
17.9327

■ 26.6523, 27.7210,
22.9494

■ 28.6241, 29.9856,
28.7829

■ 30.8038, 32.4121,
35.4682

Harmonies

Analogous

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



22.7244, 16.0218, 5.1602



17.9771, 16.0218, 2.6352



13.2956, 16.0218, 2.5115

Triad

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



17.9771, 16.0218, 2.6352



8.0822, 16.0218, 23.8955



22.1766, 16.0218, 43.5778

Complementary

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



17.9771, 16.0218, 2.6352



8.2364, 6.8233, 31.4544

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.



17.3396, 16.0218, 56.0838



17.9771, 16.0218, 2.6352



9.5937, 16.0218, 41.3861

Square

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



17.9771, 16.0218, 2.6352



8.1841, 16.0218, 11.0116



12.7749, 16.0218, 55.1238



25.4665, 16.0218, 25.9945

Rectangle

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



17.9771, 16.0218, 2.6352



10.8564, 16.0218, 3.5942



12.7749, 16.0218, 55.1238



20.6397, 16.0218, 48.8373

Sweetspot

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



17.9775, 16.0226, 2.6355



45.8348, 47.2988, 34.3417



14.6554, 7.6982, 6.7087



10.1563, 10.4418, 7.1692



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.9775, 16.0226, 2.6355



31.2454, 26.5536, 3.4786



22.4979, 28.7412, 4.8522



6.5059, 6.8168, 6.5787



14.1354, 12.1532, 1.6008



0.2466, 0.2522, 0.0357

Inverse Universe

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



8.2364, 6.8233, 31.4544



13.3788, 9.8046, 56.7236



6.5477, 2.9768, 30.8010



6.0728, 6.4030, 7.8448



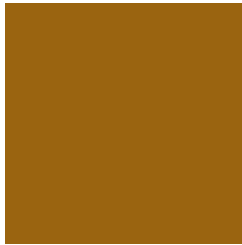
6.1124, 4.6215, 25.4776



0.1252, 0.1367, 0.3922

Previews

White Background



This preview shows how the XYZ color 17.9771, 16.0218, 2.6352 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 17.9771, 16.0218, 2.6352 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 17.9771, 16.0218, 2.6352

Background



This preview shows how black text looks on a background with the XYZ color 17.9771, 16.0218, 2.6352.



This preview shows how white text looks on a background with the XYZ color 17.9771, 16.0218,

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

17.9771, 16.0218, 2.6352

Protanopia

14.5246, 16.0745, 2.9990

Deuteranopia

16.1878, 15.9905, 2.4917



Tritanopia

20.3152, 16.0179, 14.0776

Trichromacy



Original Color

17.9771, 16.0218, 2.6352

Protanomaly

15.6334, 16.0064, 2.8817

Deuteranomaly

16.8707, 16.0382, 2.5543

Tritanomaly

19.1617, 15.9635, 7.7016

Monochromacy



Original Color

17.9771, 16.0218, 2.6352

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4985, 14.6801, 8.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9771, 16.0218, 2.6352 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(154, 100, 16)` looks like.

```
.text, #text, p{  
    color:rgb(154, 100, 16)  
}
```

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(154, 100, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 100, 16) }
```

Border

The CSS property to change the border of an element to XYZ 17.9771, 16.0218, 2.6352 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(154, 100, 16) }
```


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

```
.border{ border-color:rgb(154, 100, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 100, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 100, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 100, 16);  
box-shadow:4px 4px 4px 4px rgb(154, 100,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9771, 16.0218, 2.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 100, 16) }
```

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

```
.background{ background-color: rgb(154,  
100, 16) }
```

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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