

Converting Colors

XYZ(18.4225, 17.1679, 2.6887)

Have a look what the booklet for
XYZ(18.4225, 17.1679, 2.6887)
contains.

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Color

**XYZ(18.3573, 17.1069,
2.6823)**

Conversions

Conversions Part 1

Format	Color
Hex	996A0C
RGB	153, 106, 12
RGB Percent	60%, 42%, 5%
CMY	0.4000, 0.5843, 0.9529
CMYK	0.00, 0.31, 0.92, 0.40
HSL	40°, 85%, 32%
HSV	40°, 92%, 60%
XYZ	18.3573, 17.1069, 2.6823
YIQ	109.3370, 58.1860, -19.2700

Conversions

Conversions Part 2

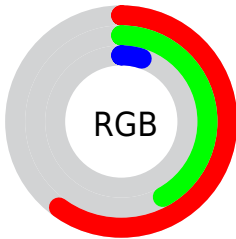
Format	Color
R_{YB}	83, 153, 12
Decimal	10054156
CIE Lab	48.39, 11.46, 52.83
CIE LCh	48, 54.059, 77.764
Yxy	17.1069, 0.4812, 0.4485
Android (android.graphics.Color)	4288244236 (0xFF996A0C)
YUV	109.3370, -47.9871, 38.2925
Hunter-Lab	41.3605, 6.8440, 25.1073

Details

The XYZ color **18.3573, 17.1069, 2.6823** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4656, 5.5063, 30.8062**, and the grayscale version is **14.7530, 15.5213, 16.9027**.

A 20% lighter version of the original color is **40.2517, 38.5283, 10.7841**, and **6.4937, 5.6693, 0.7520** is the 20% darker color. If you saturate the color by 10%, you get **17.8884, 16.2754, 2.1987**, and if you desaturate by 10%, it is **19.0340, 18.2444, 3.5739**.

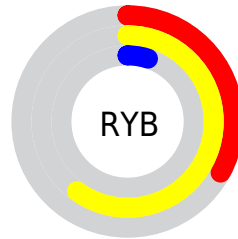
Distribution



Red (60%)

Green (42%)

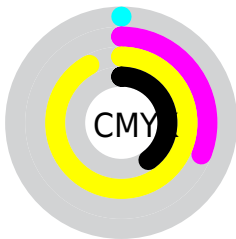
Blue (5%)



Red (33%)

Yellow (60%)

Blue (5%)

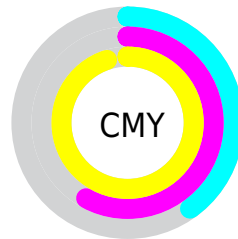


Cyan (0%)

Magenta (31%)

Yellow (92%)

Black (40%)



Cyan (40%)

Magenta (58%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3573, 17.1069, 2.6823 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 18.3573, 17.1069, 2.6823 by changing the saturation by 10% instead.

■ 18.3573, 17.1069,
2.6823

■ 18.3573, 17.1069,
2.6823

235.8842,
235.7877, 132.2053

■ 11.3081, 10.3107,
0.9345

■ 40.1705, 38.5095,
10.8339

■ 6.3432, 5.6055,
0.0000

■ 55.6653, 53.8847,
18.0751

■ 3.0975, 2.6067,
0.0000

■ 74.7058, 72.8884,
27.9845

■ 1.2056, 0.9300,
0.0000

■ 97.6576, 95.9049,
40.9808

■ 0.1107, 0.0000,
0.0000

■ 124.8860,
123.3187, 57.4825

■ 0.0000, 0.0000,
0.0000

■ 156.7563,

155.5142, 77.9082

193.6339,
192.8757, 102.6762

18.3573, 17.1069,
2.6823

18.3573, 17.1069,
2.6823

17.8884, 16.2754,
2.1987

19.0340, 18.2444,
3.5739

19.8346, 19.4816,
4.9628

20.7725, 20.8254,
6.9155

21.8588, 22.2811,
9.4879

23.1034, 23.8533,
12.7294

■ 24.5150, 25.5464,
16.6842

■ 26.1018, 27.3644,
21.3925

■ 27.8713, 29.3109,
26.8918

■ 29.8306, 31.3895,
33.2170

Harmonies

Analogous

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



23.5180, 17.1069, 4.8714



18.3573, 17.1069, 2.6823



13.5299, 17.1069, 2.8733

Triad

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



18.3573, 17.1069, 2.6823



8.7866, 17.1069, 28.2220



24.3565, 17.1069, 43.5542

Complementary

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



18.3573, 17.1069, 2.6823



7.4656, 5.5063, 30.8062

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.



19.3338, 17.1069, 58.4090



18.3573, 17.1069, 2.6823



10.6732, 17.1069, 46.9057

Square

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



18.3573, 17.1069, 2.6823



8.6302, 17.1069, 13.4347



14.3281, 17.1069, 59.8763



27.4234, 17.1069, 25.0084

Rectangle

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



18.3573, 17.1069, 2.6823



11.1079, 17.1069, 4.3344



14.3281, 17.1069, 59.8763



22.7992, 17.1069, 49.4771

Sweetspot

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



18.3577, 17.1078, 2.6826



44.8897, 46.8966, 32.7553



14.0579, 7.3512, 4.8163



9.6721, 10.0761, 6.5334



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.3577, 17.1078, 2.6826



31.8599, 28.7950, 3.8788



20.5871, 27.5154, 4.5740



6.5354, 6.8758, 6.5885



14.8160, 13.5143, 1.8276



0.2546, 0.2682, 0.0384

Inverse Universe

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



7.4656, 5.5063, 30.8062



12.2628, 8.0501, 54.8795



6.5917, 2.9292, 30.3548



6.0443, 6.3460, 7.8353



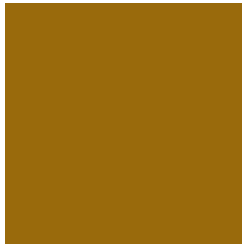
5.7586, 3.9138, 25.3596



0.1172, 0.1207, 0.3895

Previews

White Background



This preview shows how the XYZ color 18.3573, 17.1069, 2.6823 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 18.3573, 17.1069, 2.6823 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 18.3573, 17.1069, 2.6823

Background



This preview shows how black text looks on a background with the XYZ color 18.3573, 17.1069, 2.6823.



This preview shows how white text looks on a background with the XYZ color 18.3573, 17.1069,

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

18.3573, 17.1069, 2.6823

Protanopia

15.5375, 17.2711, 2.9667

Deuteranopia

17.3556, 17.0614, 2.5507



Tritanopia

21.1639, 17.2334, 15.8466

Trichromacy



Original Color

18.3573, 17.1069, 2.6823

Protanomaly

16.3547, 17.0233, 2.8393

Deuteranomaly

17.8008, 17.1322, 2.5984

Tritanomaly

19.6314, 17.0385, 8.3850

Monochromacy



Original Color

18.3573, 17.1069, 2.6823

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0560, 15.5795, 8.6922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3573, 17.1069, 2.6823 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(153, 106, 12)` looks like.

```
.text, #text, p{  
    color:rgb(153, 106, 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(153, 106, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 106, 12) }
```

Border

The CSS property to change the border of an element to XYZ 18.3573, 17.1069, 2.6823 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(153, 106, 12) }
```


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

```
.border{ border-color:rgb(153, 106, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 106, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 106, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 106, 12);  
box-shadow:4px 4px 4px 4px rgb(153, 106,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3573, 17.1069, 2.6823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 106, 12) }
```

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

```
.background{ background-color: rgb(153,  
106, 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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