

Converting Colors

XYZ(19.8555, 17.8903, 2.4067)

Have a look what the booklet for
XYZ(19.8555, 17.8903, 2.4067)
contains.

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Color

**XYZ(19.8520, 17.8851,
2.4059)**

Conversions

Conversions Part 1

Format	Color
Hex	A16A00
RGB	161, 106, 0
RGB Percent	63%, 42%, 0%
CMY	0.3686, 0.5843, 1.0000
CMYK	0.00, 0.34, 1.00, 0.37
HSL	40°, 100%, 32%
HSV	40°, 100%, 63%
XYZ	19.8520, 17.8851, 2.4059
YIQ	110.3610, 66.8060, -21.3060

Conversions

Conversions Part 2

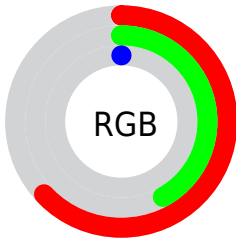
Format	Color
R_{YB}	84, 161, 0
Decimal	10578432
CIE Lab	49.36, 14.95, 56.56
CIE LCh	49, 58.504, 75.194
Yxy	17.8851, 0.4945, 0.4455
Android (android.graphics.Color)	4288768512 (0xFFA16A00)
YUV	110.3610, -54.4080, 44.4104
Hunter-Lab	42.2908, 9.7820, 26.2306

Details

The XYZ color **19.8520, 17.8851, 2.4059** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.7994, 5.3059, 34.3311**, and the grayscale version is **15.0638, 15.8483, 17.2588**.

A 20% lighter version of the original color is **42.7730, 39.8450, 10.1391**, and **7.2729, 6.0710, 0.7885** is the 20% darker color. If you saturate the color by 10%, you get **19.8521, 17.8855, 2.4059**, and if you desaturate by 10%, it is **20.5318, 19.0940, 3.0978**.

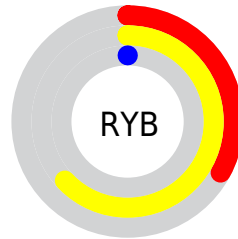
Distribution



Red (63%)

Green (42%)

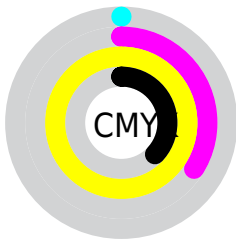
Blue (0%)



Red (33%)

Yellow (63%)

Blue (0%)

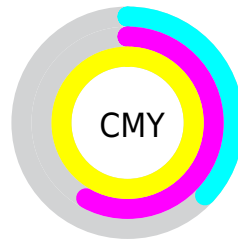


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8520, 17.8851, 2.4059 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 19.8520, 17.8851, 2.4059 by changing the saturation by 10% instead.

■ 19.8520, 17.8851,
2.4059

■ 19.8520, 17.8851,
2.4059

243.9616,
240.2226, 128.3915

■ 12.3951, 10.8675,
0.7897

■ 42.6748, 39.8414,
10.1234

■ 7.0875, 5.9778,
0.0000

■ 58.7714, 55.5490,
17.0721

■ 3.5637, 2.8316,
0.0000

■ 78.4786, 74.9220,
26.6389

■ 1.4584, 1.0445,
0.0000

■ 102.1618, 98.3449,
39.2421

■ 0.2973, 0.0000,
0.0000

■ 130.1864,
126.2020, 55.3005

■ 0.0000, 0.0000,
0.0000

■ 162.9176,

158.8777, 75.2325

■ 200.7209,
196.7564, 99.4566

■ 19.8520, 17.8851,
2.4059

■ 19.8520, 17.8851,
2.4059

■ 19.8521, 17.8855,
2.4059

■ 20.5318, 19.0940,
3.0978

■ 21.3232, 20.4059,
4.1962

■ 22.2593, 21.8361,
5.8713

■ 23.3546, 23.3911,
8.1955

■ 24.6213, 25.0770,
11.2308

■ 26.0703, 26.8989,
15.0315

■ 27.7117, 28.8619,
19.6469

■ 29.5543, 30.9704,
25.1220

■ 31.6067, 33.2288,
31.4986

Harmonies

Analogous

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



25.6084, 17.8851, 4.9075



19.8520, 17.8851, 2.4059



14.3719, 17.8851, 2.4191

Triad

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



19.8520, 17.8851, 2.4059



8.6901, 17.8851, 28.5539



25.6750, 17.8851, 49.6235

Complementary

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



19.8520, 17.8851, 2.4059



7.7994, 5.3059, 34.3311

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.



19.9287, 17.8851, 65.8609



19.8520, 17.8851, 2.4059



10.5747, 17.8851, 49.8944

Square

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



19.8520, 17.8851, 2.4059



8.6782, 17.8851, 12.7054



14.4338, 17.8851, 65.9805



29.4319, 17.8851, 28.2992

Rectangle

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



19.8520, 17.8851, 2.4059



11.5967, 17.8851, 3.7160



14.4338, 17.8851, 65.9805



23.8630, 17.8851, 56.2655

Sweetspot

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



19.8524, 17.8860, 2.4062



49.4530, 51.4829, 34.6760



15.4205, 7.8662, 4.4926



10.5840, 10.9814, 6.8581



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.8524, 17.8860, 2.4062



35.3641, 31.6526, 4.2457



23.0369, 30.7954, 4.7302



7.4447, 7.8278, 7.4986



15.8942, 14.3623, 1.9345



0.3751, 0.3841, 0.0544

Inverse Universe

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



7.7994, 5.3059, 34.3311



13.8016, 9.1697, 61.4290



6.8135, 2.7695, 33.8935



6.8891, 7.2371, 8.9369



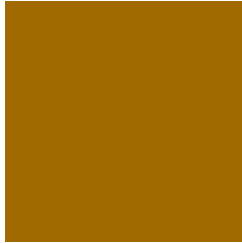
6.2636, 4.3067, 27.4309



0.1741, 0.1756, 0.5906

Previews

White Background



This preview shows how the XYZ color 19.8520, 17.8851, 2.4059 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 19.8520, 17.8851, 2.4059 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 19.8520, 17.8851, 2.4059

Background



This preview shows how black text looks on a background with the XYZ color 19.8520, 17.8851, 2.4059.



This preview shows how white text looks on a background with the XYZ color 19.8520, 17.8851,

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

19.8520, 17.8851, 2.4059

Protanopia

16.2117, 17.9676, 2.9302

Deuteranopia

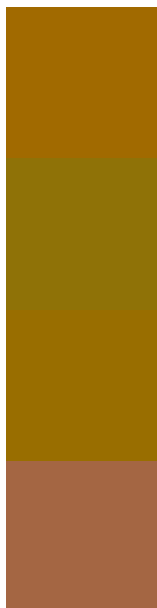
18.1886, 17.9779, 2.5114



Tritanopia

22.5804, 17.9636, 15.9129

Trichromacy



Original Color

19.8520, 17.8851, 2.4059

Protanomaly

17.3834, 17.8896, 2.7379

Deuteranomaly

18.7128, 17.9242, 2.4734

Tritanomaly

21.0743, 17.8005, 7.6353

Monochromacy



Original Color

19.8520, 17.8851, 2.4059

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.6274, 16.0466, 8.0680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8520, 17.8851, 2.4059 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(161, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 106, 0)  
}
```

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(161, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.8520, 17.8851, 2.4059 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(161, 106, 0) }
```


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

```
.border{ border-color:rgb(161, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8520, 17.8851, 2.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 106, 0) }
```

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

```
.background{ background-color: rgb(161,  
106, 0) }
```

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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