

Converting Colors

XYZ(19.0509, 17.1697, 2.3100)

Have a look what the booklet for
XYZ(19.0509, 17.1697, 2.3100)
contains.

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Color

**XYZ(19.0509, 17.1697,
2.3100)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6800
RGB	158, 104, 0
RGB Percent	62%, 41%, 0%
CMY	0.3804, 0.5921, 1.0000
CMYK	0.00, 0.34, 1.00, 0.38
HSL	39°, 100%, 31%
HSV	39°, 100%, 62%
XYZ	19.0509, 17.1697, 2.3100
YIQ	108.2900, 65.5680, -20.8960

Conversions

Conversions Part 2

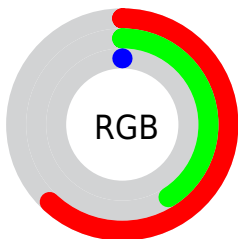
Format	Color
R_{YB}	82, 158, 0
Decimal	10381312
CIE _{Lab}	48.47, 14.71, 55.79
CIE _{LCh}	48, 57.701, 75.227
Yxy	17.1697, 0.4944, 0.4456
Android (android.graphics.Color)	4288571392 (0xFF9E6800)
YUV	108.2900, -53.3870, 43.5957
Hunter-Lab	41.4363, 9.5541, 25.7001

Details

The XYZ color **19.0509, 17.1697, 2.3100** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4908, 5.1071, 32.9386**, and the grayscale version is **14.4686, 15.2220, 16.5768**.

A 20% lighter version of the original color is **41.2061, 38.5422, 9.8250**, and **6.8300, 5.6930, 0.7389** is the 20% darker color. If you saturate the color by 10%, you get **19.0510, 17.1701, 2.3101**, and if you desaturate by 10%, it is **19.7044, 18.3296, 2.9821**.

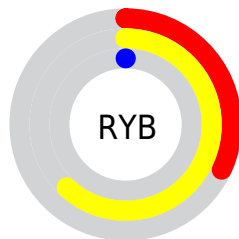
Distribution



Red (62%)

Green (41%)

Blue (0%)



Red (32%)

Yellow (62%)

Blue (0%)

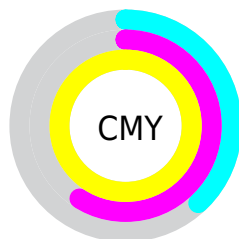


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0509, 17.1697, 2.3100 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 19.0509, 17.1697, 2.3100 by changing the saturation by 10% instead.

■ 19.0509, 17.1697,
2.3100

■ 19.0509, 17.1697,
2.3100

239.6623,
236.1484, 127.0186

■ 11.8113, 10.3556,
0.7368

■ 41.3363, 38.6173,
9.8722

■ 6.6866, 5.6353,
0.0000

■ 57.1128, 54.0196,
16.7157

■ 3.3115, 2.6246,
0.0000

■ 76.4656, 73.0533,
26.1589

■ 1.3205, 0.9391,
0.0000

■ 99.7602, 96.1030,
38.6203

■ 0.1985, 0.0000,
0.0000

■ 127.3617,
123.5529, 54.5184

■ 0.0000, 0.0000,
0.0000

■ 159.6357,

155.7876, 74.2718

■ 196.9475,
193.1913, 98.2990

■ 19.0509, 17.1697,
2.3100

■ 19.0509, 17.1697,
2.3100

■ 19.0510, 17.1701,
2.3101

■ 19.7044, 18.3296,
2.9821

■ 20.4643, 19.5880,
4.0409

■ 21.3628, 20.9596,
5.6521

■ 22.4137, 22.4507,
7.8850

■ 23.6287, 24.0671,
10.7983

■ 25.0182, 25.8138,
14.4442

■ 26.5917, 27.6954,
18.8696

■ 28.3579, 29.7164,
24.1175

■ 30.3247, 31.8807,
30.2276

Harmonies

Analogous

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



24.5766, 17.1697, 4.7081



19.0509, 17.1697, 2.3100



13.7923, 17.1697, 2.3249

Triad

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



19.0509, 17.1697, 2.3100



8.3447, 17.1697, 27.4312



24.6516, 17.1697, 47.6080

Complementary

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



19.0509, 17.1697, 2.3100



7.4908, 5.1071, 32.9386

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.



19.1374, 17.1697, 63.2034



19.0509, 17.1697, 2.3100



10.1559, 17.1697, 47.9134

Square

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



19.0509, 17.1697, 2.3100



8.3314, 17.1697, 12.2108



13.8621, 17.1697, 63.3382



28.2540, 17.1697, 27.1439

Rectangle

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



19.0509, 17.1697, 2.3100



11.1300, 17.1697, 3.5723



13.8621, 17.1697, 63.3382



22.9131, 17.1697, 53.9849

Sweetspot

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



19.0513, 17.1706, 2.3103



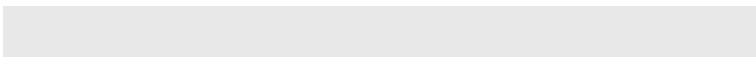
48.1126, 50.0864, 33.7524



14.7975, 7.5480, 4.3297



10.5835, 10.9804, 6.8580



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.



19.0513, 17.1706, 2.3103



34.4051, 30.7977, 4.1312



22.1064, 29.5467, 4.5381



6.9791, 7.3382, 7.0342



15.2955, 13.8267, 1.8627



0.3112, 0.3227, 0.0459

Inverse Universe

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



7.4908, 5.1071, 32.9386



13.4348, 8.9375, 59.7605



6.5413, 2.6593, 32.5162



6.4608, 6.7874, 8.3763



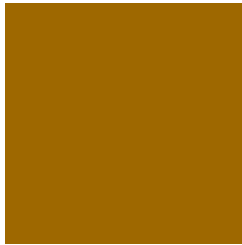
6.0329, 4.1573, 26.3917



0.1451, 0.1489, 0.4843

Previews

White Background



This preview shows how the XYZ color 19.0509, 17.1697, 2.3100 looks on a white background.

Color Contrast Check

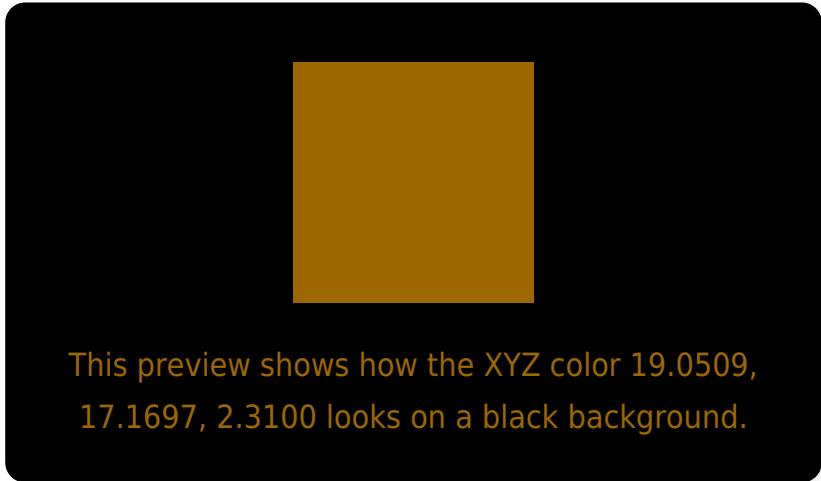
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 19.0509, 17.1697, 2.3100

Background



This preview shows how black text looks on a background with the XYZ color 19.0509, 17.1697, 2.3100.



This preview shows how white text looks on a background with the XYZ color 19.0509, 17.1697,

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

19.0509, 17.1697, 2.3100

Protanopia

15.5117, 17.2608, 2.8307

Deuteranopia

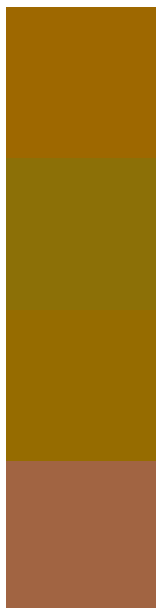
17.4300, 17.2629, 2.4134



Tritanopia

21.6737, 17.2302, 15.2801

Trichromacy



Original Color

19.0509, 17.1697, 2.3100

Protanomaly

16.6477, 17.1791, 2.6395

Deuteranomaly

17.9402, 17.2092, 2.3761

Tritanomaly

20.2385, 17.0848, 7.3853

Monochromacy



Original Color

19.0509, 17.1697, 2.3100

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9361, 15.3807, 7.8118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0509, 17.1697, 2.3100 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(158, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 104, 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(158, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.0509, 17.1697, 2.3100 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(158, 104, 0) }
```


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

```
.border{ border-color:rgb(158, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0509, 17.1697, 2.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 104, 0) }
```

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

```
.background{ background-color: rgb(158,  
104, 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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