

Converting Colors

XYZ(17.0937, 12.9682, 0.0000)

Have a look what the booklet for
XYZ(17.0937, 12.9682, 0.0000)
contains.

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Color

**XYZ(17.4939, 13.1690,
1.6198)**

Conversions

Conversions Part 1

Format	Color
Hex	A14F00
RGB	161, 79, 0
RGB Percent	63%, 31%, 0%
CMY	0.3686, 0.6902, 1.0000
CMYK	0.00, 0.51, 1.00, 0.37
HSL	29°, 100%, 32%
HSV	29°, 100%, 63%
XYZ	17.4939, 13.1690, 1.6198
YIQ	94.5120, 74.2310, -7.1850

Conversions

Conversions Part 2

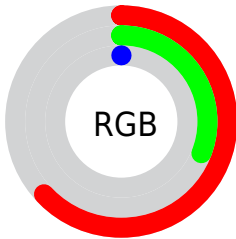
Format	Color
R_{YB}	161, 155, 0
Decimal	10571520
CIE Lab	43.02, 30.03, 52.56
CIE LCh	43, 60.539, 60.259
Yxy	13.1690, 0.5419, 0.4079
Android (android.graphics.Color)	4288761600 (0xFFA14F00)
YUV	94.5120, -46.5944, 58.3100
Hunter-Lab	36.2891, 22.5436, 22.7559

Details

The XYZ color **17.4939, 13.1690, 1.6198** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4500, 8.6072, 34.8812**, and the grayscale version is **10.8563, 11.4217, 12.4382**.

A 20% lighter version of the original color is **38.7130, 31.5255, 7.9155**, and **5.9695, 3.8048, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **17.4941, 13.1696, 1.6199**, and if you desaturate by 10%, it is **18.2169, 14.4643, 2.3260**.

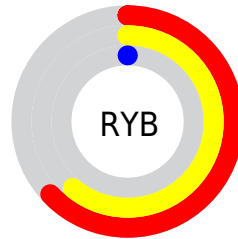
Distribution



Red (63%)

Green (31%)

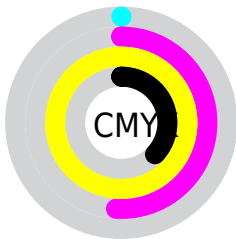
Blue (0%)



Red (63%)

Yellow (61%)

Blue (0%)

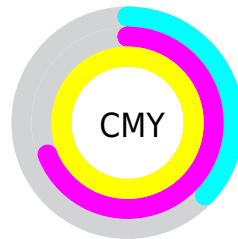


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4939, 13.1690, 1.6198 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 17.4939, 13.1690, 1.6198 by changing the saturation by 10% instead.


 17.4939, 13.1690,
1.6198


 17.4939, 13.1690,
1.6198


 231.1039,
211.9979, 116.1619


 10.6847, 7.5450,
0.3049


 38.7099, 31.6071,
7.9726


 5.9210, 3.8052,
0.0000

 53.8475, 45.1899,
13.9864


 2.8373, 1.5652,
0.0000

 72.4919, 62.1946,
22.4500

 1.0683, 0.3340,
0.0000

 95.0085, 83.0054,
33.7817


 0.0000, 0.0000,
0.0000


 121.7626,
108.0067, 48.4003


 153.1196,


137.5830, 66.7241


 189.4450,
172.1186, 89.1718


 17.4939, 13.1690,
1.6198


 17.4939, 13.1690,
1.6198


 17.4941, 13.1696,
1.6199

 18.2169, 14.4643,
2.3260

 19.0900, 15.9398,
3.4515

 20.1481, 17.6140,
5.1670

 21.4072, 19.4967,
7.5456

 22.8812, 21.5973,
10.6497

■ 24.5825, 23.9238,
14.5343

■ 26.5225, 26.4843,
19.2489

■ 28.7117, 29.2859,
24.8393

■ 31.1597, 32.3356,
31.3474

Harmonies

Analogous

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



21.9310, 13.1690, 4.9223



17.4939, 13.1690, 1.6198



12.4764, 13.1690, 0.9528

Triad

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



17.4939, 13.1690, 1.6198



5.5384, 13.1690, 14.4547



17.5814, 13.1690, 49.7515

Complementary

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



17.4939, 13.1690, 1.6198



9.4500, 8.6072, 34.8812

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.



12.5571, 13.1690, 58.1779



17.4939, 13.1690, 1.6198



6.2759, 13.1690, 31.4881

Square

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



17.4939, 13.1690, 1.6198



6.2504, 13.1690, 5.0211



8.5863, 13.1690, 50.0169



21.9897, 13.1690, 31.1511

Rectangle

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



17.4939, 13.1690, 1.6198



9.6704, 13.1690, 1.2369



8.5863, 13.1690, 50.0169



15.8730, 13.1690, 54.2432

Sweetspot

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



17.4942, 13.1697, 1.6200



47.2922, 47.1612, 33.9557



16.2663, 8.2044, 8.9472



10.0621, 9.9375, 6.6842



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.



17.4942, 13.1697, 1.6200



31.1341, 23.1925, 2.8357



26.9787, 32.1387, 4.7815



7.3473, 7.6330, 7.4662



14.0128, 10.5995, 1.3074



0.3417, 0.3173, 0.0432

Inverse Universe

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



9.4500, 8.6072, 34.8812



16.7259, 15.0182, 62.4038



6.4621, 2.6315, 33.8853



6.9847, 7.4284, 8.9688



7.5883, 6.9561, 27.8725



0.2066, 0.2405, 0.6014

Previews

White Background



This preview shows how the XYZ color 17.4939, 13.1690, 1.6198 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 17.4939, 13.1690, 1.6198 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 17.4939, 13.1690, 1.6198

Background



This preview shows how black text looks on a background with the XYZ color 17.4939, 13.1690, 1.6198.



This preview shows how white text looks on a background with the XYZ color 17.4939, 13.1690,

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

17.4939, 13.1690, 1.6198

Protanopia

11.9997, 13.3770, 2.3650

Tritanopia

18.8619, 13.1017, 8.7425

Trichromacy



Original Color

17.4939, 13.1690, 1.6198

Protanomaly

13.5677, 12.9307, 2.0392

Tritanomaly

17.9921, 12.9438, 4.5677

Monochromacy



Original Color

17.4939, 13.1690, 1.6198

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.9957, 11.3929, 5.8418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4939, 13.1690, 1.6198 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, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 79, 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, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4939, 13.1690, 1.6198 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, 79, 0) }
```

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

```
.border{ border-color:rgb(161, 79, 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, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.4939, 13.1690, 1.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 79, 0) }
```

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

```
.background{ background-color: rgb(161, 79,  
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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