

Converting Colors

XYZ(19.5970, 17.5730, 3.6554)

Have a look what the booklet for
XYZ(19.5970, 17.5730, 3.6554)
contains.

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Color

**XYZ(19.5970, 17.5730,
3.6554)**

Conversions

Conversions Part 1

Format	Color
Hex	9F691F
RGB	159, 105, 31
RGB Percent	62%, 41%, 12%
CMY	0.3765, 0.5882, 0.8784
CMYK	0.00, 0.34, 0.81, 0.38
HSL	35°, 67%, 37%
HSV	35°, 81%, 62%
XYZ	19.5970, 17.5730, 3.6554
YIQ	112.7100, 55.9380, -11.5660

Conversions

Conversions Part 2

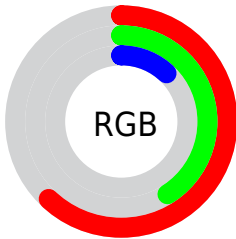
Format	Color
R_{YB}	124, 159, 31
Decimal	10447135
CIE _{Lab}	48.97, 15.32, 47.51
CIE _{LCh}	49, 49.915, 72.122
Yxy	17.5730, 0.4800, 0.4304
Android (android.graphics.Color)	4288637215 (0xFF9F691F)
YUV	112.7100, -40.2830, 40.5963
Hunter-Lab	41.9202, 10.0856, 24.1741

Details

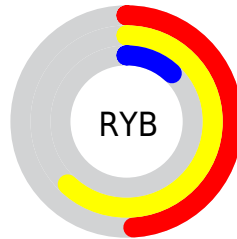
The XYZ color **19.5970, 17.5730, 3.6554** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.0715, 9.2912, 34.0633**, and the grayscale version is **15.7145, 16.5328, 18.0043**.

A 20% lighter version of the original color is **42.2871, 39.2764, 13.1369**, and **7.1066, 5.9097, 0.7661** is the 20% darker color. If you saturate the color by 10%, you get **18.7805, 16.1967, 2.5922**, and if you desaturate by 10%, it is **20.5716, 19.1002, 5.2815**.

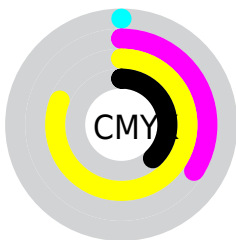
Distribution



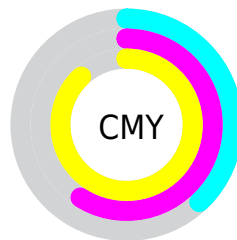
- Red (62%)
- Green (41%)
- Blue (12%)



- Red (49%)
- Yellow (62%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (81%)
- Black (38%)





- Cyan (38%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5970, 17.5730, 3.6554 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 19.5970, 17.5730, 3.6554 by changing the saturation by 10% instead.


 19.5970, 17.5730,
3.6554


 19.5970, 17.5730,
3.6554


242.6004,
238.4531, 144.3145


 12.2090, 10.6439,
1.4383


 42.2496, 39.3084,
13.2069


 6.9594, 5.8279,
0.1713


 58.2449, 54.8834,
21.3783


 3.4828, 2.7407,
0.0000

 77.8400, 74.1092,
32.3716

 1.4139, 0.9979,
0.0000

 101.4003, 97.3701,
46.6052

 0.2661, 0.0000,
0.0000

 129.2912,
125.0505, 64.4978

 0.0000, 0.0000,
0.0000

 161.8779,

157.5349, 86.4678

199.5258,
195.2077, 112.9339

19.5970, 17.5730,
3.6554

19.5970, 17.5730,
3.6554

18.7805, 16.1967,
2.5922

20.5716, 19.1002,
5.2815

18.1187, 15.0124,
1.9427

21.7176, 20.7834,
7.5407

23.0481, 22.6304,
10.4939

24.5743, 24.6474,
14.1943

26.3063, 26.8403,
18.6900

■ 28.2534, 29.2146,
24.0250

■ 30.4244, 31.7752,
30.2402

■ 32.8274, 34.5272,
37.3735

■ 35.4701, 37.4751,
45.4608

Harmonies

Analogous

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



24.2410, 17.5730, 6.5952



19.5970, 17.5730, 3.6554



14.8965, 17.5730, 3.4393

Triad

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



19.5970, 17.5730, 3.6554



9.4042, 17.5730, 25.0233



23.4372, 17.5730, 45.0653

Complementary

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



19.5970, 17.5730, 3.6554



10.0715, 9.2912, 34.0633

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.



18.6491, 17.5730, 56.6166



19.5970, 17.5730, 3.6554



10.9156, 17.5730, 41.9264

Square

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



19.5970, 17.5730, 3.6554



9.5633, 17.5730, 12.3072



14.1082, 17.5730, 55.2576



26.7254, 17.5730, 28.1089

Rectangle

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



19.5970, 17.5730, 3.6554



12.3897, 17.5730, 4.6185



14.1082, 17.5730, 55.2576



21.9156, 17.5730, 49.9982

Sweetspot

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



19.5974, 17.5739, 3.6557



49.1733, 50.5998, 39.0635



16.4867, 9.0305, 9.7774



10.8232, 11.0863, 8.0888



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.



19.5974, 17.5739, 3.6557



32.6039, 27.1410, 3.6983



25.3091, 31.4235, 6.0279



6.9355, 7.2509, 7.0197



14.3528, 11.9412, 1.5484



0.2979, 0.2961, 0.0415

Inverse Universe

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



10.0715, 9.2912, 34.0633



15.0019, 11.9566, 60.2606



7.6052, 3.9252, 33.1575



6.5032, 6.8722, 8.3904



6.5712, 5.2340, 26.5712



0.1584, 0.1755, 0.4887

Previews

White Background



This preview shows how the XYZ color 19.5970, 17.5730, 3.6554 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 19.5970, 17.5730, 3.6554 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 19.5970, 17.5730, 3.6554

Background



This preview shows how black text looks on a background with the XYZ color 19.5970, 17.5730, 3.6554.



This preview shows how white text looks on a background with the XYZ color 19.5970, 17.5730,

3.6554.

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

19.5970, 17.5730, 3.6554

Protanopia

16.0101, 17.6634, 4.0789

Deuteranopia

17.9267, 17.6558, 3.5617



Tritanopia

22.0217, 17.5418, 15.5898

Trichromacy



Original Color

19.5970, 17.5730, 3.6554

Protanomaly

17.1641, 17.5828, 3.9280

Deuteranomaly

18.4529, 17.6053, 3.5880

Tritanomaly

20.9291, 17.5388, 9.4900

Monochromacy



Original Color

19.5970, 17.5730, 3.6554

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3432, 16.5222, 10.5113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5970, 17.5730, 3.6554 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(159, 105, 31)` looks like.

```
.text, #text, p{  
    color:rgb(159, 105, 31)  
}
```

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(159, 105, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 105, 31) }
```

Border

The CSS property to change the border of an element to XYZ 19.5970, 17.5730, 3.6554 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(159, 105, 31) }
```


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

```
.border{ border-color:rgb(159, 105, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 105, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 105, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 105, 31);  
box-shadow:4px 4px 4px 4px rgb(159, 105,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5970, 17.5730, 3.6554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 105, 31) }
```

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

```
.background{ background-color: rgb(159,  
105, 31) }
```

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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