

Converting Colors

XYZ(20.0434, 17.7946, 5.5103)

Have a look what the booklet for
XYZ(20.0434, 17.7946, 5.5103)
contains.

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Color

**XYZ(19.9472, 17.7131,
5.4996)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6933
RGB	159, 105, 51
RGB Percent	62%, 41%, 20%
CMY	0.3765, 0.5882, 0.8000
CMYK	0.00, 0.34, 0.68, 0.38
HSL	30°, 51%, 41%
HSV	30°, 68%, 62%
XYZ	19.9472, 17.7131, 5.4996
YIQ	114.9900, 49.5180, -5.3460

Conversions

Conversions Part 2

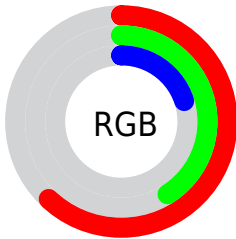
Format	Color
R_{YB}	159, 159, 51
Decimal	10447155
CIE _{Lab}	49.15, 16.33, 38.39
CIE _{LCh}	49, 41.720, 66.957
Yxy	17.7131, 0.4622, 0.4104
Android (android.graphics.Color)	4288637235 (0xFF9F6933)
YUV	114.9900, -31.5471, 38.5968
Hunter-Lab	42.0869, 10.9484, 21.7133

Details

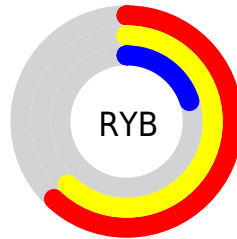
The XYZ color **19.9472, 17.7131, 5.4996** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6745, 13.3095, 34.7017**, and the grayscale version is **16.3752, 17.2280, 18.7613**.

A 20% lighter version of the original color is **42.8040, 39.4487, 17.4149**, and **7.1175, 5.9141, 0.8238** is the 20% darker color. If you saturate the color by 10%, you get **18.8827, 16.0524, 3.7012**, and if you desaturate by 10%, it is **21.2082, 19.5749, 7.9553**.

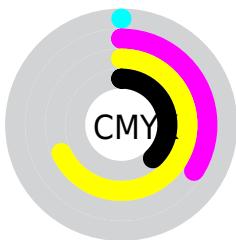
Distribution



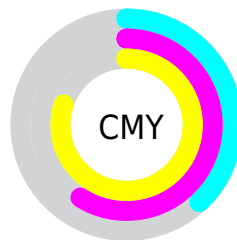
- Red (62%)
- Green (41%)
- Blue (20%)



- Red (62%)
- Yellow (62%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (68%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9472, 17.7131, 5.4996 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 19.9472, 17.7131, 5.4996 by changing the saturation by 10% instead.

■ 19.9472, 17.7131,
5.4996

■ 19.9472, 17.7131,
5.4996

244.4681,
239.2489, 163.6661

■ 12.4647, 10.7442,
2.4795

■ 42.8333, 39.5478,
17.3425

■ 7.1354, 5.8951,
0.8292

■ 58.9675, 55.1825,
27.0022

■ 3.5940, 2.7814,
0.0000

■ 78.7165, 74.4745,
39.7123

■ 1.4751, 1.0187,
0.0000

■ 102.4454, 97.8083,
55.8912

■ 0.3088, 0.0000,
0.0000

■ 130.5197,
125.5682, 75.9575

■ 0.0000, 0.0000,
0.0000

■ 163.3046,

158.1387, 100.3298

201.1657,
195.9041, 129.4264

■ 19.9472, 17.7131,
5.4996

■ 19.9472, 17.7131,
5.4996

■ 18.8827, 16.0524,
3.7012

■ 21.2082, 19.5749,
7.9553

■ 17.9985, 14.5810,
2.4909

■ 22.6773, 21.6436,
11.1259

■ 17.2701, 13.2863,
1.7491

■ 24.3667, 23.9278,
15.0639

■ 17.1306, 13.0361,
1.6133

■ 26.2872, 26.4346,
19.8166

■ 28.4485, 29.1710,
25.4271

■ 30.8599, 32.1434,
31.9359

■ 33.5302, 35.3579,
39.3805

■ 36.4677, 38.8205,
47.7965

■ 39.6802, 42.5369,
57.2176

Harmonies

Analogous

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



23.5723, 17.7131, 9.0364



19.9472, 17.7131, 5.4996



15.9431, 17.7131, 4.8524

Triad

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



19.9472, 17.7131, 5.4996



10.4315, 17.7131, 22.0084



21.7623, 17.7131, 42.0614

Complementary

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



19.9472, 17.7131, 5.4996



12.6745, 13.3095, 34.7017

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.



17.7611, 17.7131, 49.4516



19.9472, 17.7131, 5.4996



11.5231, 17.7131, 35.3074

Square

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



19.9472, 17.7131, 5.4996



10.8315, 17.7131, 12.0381



14.0660, 17.7131, 46.5926



24.7282, 17.7131, 28.9811

Rectangle

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



19.9472, 17.7131, 5.4996



13.6580, 17.7131, 5.7727



14.0660, 17.7131, 46.5926



20.4718, 17.7131, 45.4848

Sweetspot

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



19.9476, 17.7140, 5.4999



49.9571, 51.0003, 42.9230



18.0317, 10.7586, 14.4910



11.0286, 11.2024, 9.0659



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.



19.9476, 17.7140, 5.4999



32.8870, 27.2227, 5.2862



27.2936, 32.4061, 7.9486



6.8933, 7.1666, 7.0056



13.5722, 10.3800, 1.2882



0.2850, 0.2702, 0.0371

Inverse Universe

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



12.6745, 13.3095, 34.7017



18.9191, 18.7639, 61.3681



8.8072, 5.5748, 33.4126



6.5450, 6.9557, 8.4043



7.2212, 6.5340, 26.7878



0.1714, 0.2014, 0.4931

Previews

White Background



This preview shows how the XYZ color 19.9472, 17.7131, 5.4996 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 19.9472, 17.7131, 5.4996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

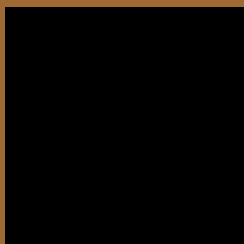
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9472, 17.7131, 5.4996

Background



This preview shows how black text looks on a background with the XYZ color 19.9472, 17.7131, 5.4996.



This preview shows how white text looks on a background with the XYZ color 19.9472, 17.7131,

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

19.9472, 17.7131, 5.4996

Protanopia

16.2568, 17.7442, 6.1826

Deuteranopia

18.0929, 17.7016, 5.3689



Tritanopia

22.1676, 17.7508, 15.8936

Trichromacy



Original Color

19.9472, 17.7131, 5.4996

Protanomaly

17.5555, 17.7393, 5.9888

Deuteranomaly

18.8069, 17.7469, 5.4519

Tritanomaly

21.2337, 17.6606, 11.0938

Monochromacy



Original Color

19.9472, 17.7131, 5.4996

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9763, 16.9669, 12.5054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9472, 17.7131, 5.4996 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(159, 105, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 105, 51) }
```

Border

The CSS property to change the border of an element to XYZ 19.9472, 17.7131, 5.4996 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, 51) }
```


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

```
.border{ border-color:rgb(159, 105, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 105, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 105, 51);  
box-shadow:4px 4px 4px 4px rgb(159, 105,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9472, 17.7131, 5.4996 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, 51) }
```

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

```
.background{ background-color: rgb(159,  
105, 51) }
```

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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