

Converting Colors

XYZ(19.8860, 19.5698, 5.9839)

Have a look what the booklet for
XYZ(19.8860, 19.5698, 5.9839)
contains.

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Color

**XYZ(19.9300, 19.6459,
5.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	987534
RGB	152, 117, 52
RGB Percent	60%, 46%, 20%
CMY	0.4039, 0.5412, 0.7961
CMYK	0.00, 0.23, 0.66, 0.40
HSL	39°, 49%, 40%
HSV	39°, 66%, 60%
XYZ	19.9300, 19.6459, 5.9904
YIQ	120.0550, 41.7250, -12.7950

Conversions

Conversions Part 2

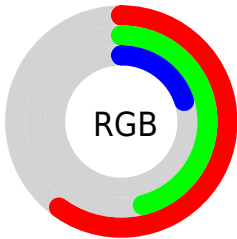
Format	Color
RYB	106, 152, 52
Decimal	9991476
CIELab	51.43, 6.38, 40.20
CIELCh	51, 40.703, 80.979
Yxy	19.6459, 0.4374, 0.4311
Android (android.graphics.Color)	4288181556 (0xFF987534)
YUV	120.0550, -33.5511, 28.0158
Hunter-Lab	44.3237, 2.6955, 23.0135

Details

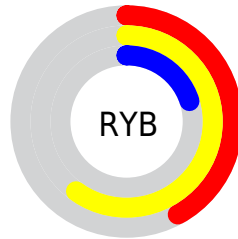
The XYZ color **19.9300, 19.6459, 5.9904** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.4917, 9.8130, 31.0467**, and the grayscale version is **17.9653, 18.9009, 20.5830**.

A 20% lighter version of the original color is **42.8314, 42.8708, 18.3294**, and **7.1706, 6.8551, 0.9740** is the 20% darker color. If you saturate the color by 10%, you get **19.0391, 18.3266, 4.2679**, and if you desaturate by 10%, it is **20.9673, 21.0817, 8.3060**.

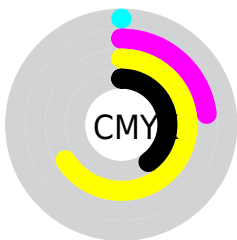
Distribution



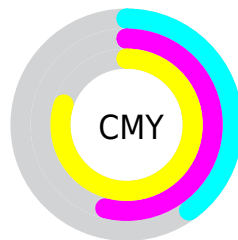
- Red (60%)
- Green (46%)
- Blue (20%)



- Red (42%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (66%)
- Black (40%)



- Cyan (40%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9300, 19.6459, 5.9904 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 19.9300, 19.6459, 5.9904 by changing the saturation by 10% instead.

■ 19.9300, 19.6459,
5.9904

■ 19.9300, 19.6459,
5.9904

244.3767,
249.9917, 168.2886

■ 12.4521, 12.1379,
2.7705

■ 42.8046, 42.8227,
18.3883

■ 7.1268, 6.8377,
0.9787

■ 58.9321, 59.2603,
28.4034

■ 3.5885, 3.3608,
0.0000

■ 78.6735, 79.4432,
41.5207

■ 1.4721, 1.3229,
0.0000

■ 102.3942,
103.7559, 58.1587

■ 0.3067, 0.1588,
0.0000

■ 130.4595,
132.5827, 78.7359

■ 0.0000, 0.0000,
0.0000

■ 163.2348,

166.3080, 103.6710

201.0854,
205.3162, 133.3823

■ 19.9300, 19.6459,
5.9904

■ 19.9300, 19.6459,
5.9904

■ 19.0391, 18.3266,
4.2679

■ 20.9673, 21.0817,
8.3060

■ 18.2816, 17.1153,
3.0791

■ 22.1598, 22.6360,
11.2642

■ 17.6420, 16.0057,
2.3434

■ 23.5170, 24.3144,
14.9106

■ 17.3923, 15.5622,
2.0871

■ 25.0472, 26.1211,
19.2860

■ 26.7581, 28.0598,
24.4284

■ 28.6569, 30.1344,
30.3728

■ 30.7502, 32.3483,
37.1523

■ 33.0445, 34.7049,
44.7980

■ 35.5458, 37.2074,
53.3394

Harmonies

Analogous

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



24.0600, 19.6459, 8.2537



19.9300, 19.6459, 5.9904



16.0027, 19.6459, 6.5240

Triad

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



19.9300, 19.6459, 5.9904



12.2643, 19.6459, 30.4848



25.4544, 19.6459, 38.8824

Complementary

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



19.9300, 19.6459, 5.9904



10.4917, 9.8130, 31.0467

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.



21.6245, 19.6459, 49.9717



19.9300, 19.6459, 5.9904



14.1566, 19.6459, 44.0229

Square

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



19.9300, 19.6459, 5.9904



11.9475, 19.6459, 18.0584



17.4697, 19.6459, 52.1349



27.5412, 19.6459, 25.1104

Rectangle

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



19.9300, 19.6459, 5.9904



13.9865, 19.6459, 8.5181



17.4697, 19.6459, 52.1349



24.3040, 19.6459, 43.2292

Sweetspot

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



19.9305, 19.6469, 5.9908



45.8013, 47.9249, 38.7706



15.8972, 9.8196, 10.0745



10.2343, 10.6929, 8.2861



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.9305, 19.6469, 5.9908



32.9431, 31.3099, 6.4264



22.1645, 28.0226, 7.4897



6.5269, 6.8588, 6.5857



14.6129, 13.1081, 1.7599



0.2523, 0.2636, 0.0376

Inverse Universe

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



10.4917, 9.8130, 31.0467



15.0665, 12.7558, 54.1017



9.2104, 5.9165, 30.3621



6.0525, 6.3623, 7.8380



5.8538, 4.1043, 25.3914



0.1195, 0.1253, 0.3903

Previews

White Background



This preview shows how the XYZ color 19.9300, 19.6459, 5.9904 looks on a white 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

Black Background



This preview shows how the XYZ color 19.9300, 19.6459, 5.9904 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 19.9300, 19.6459, 5.9904

Background



This preview shows how black text looks on a background with the XYZ color 19.9300, 19.6459, 5.9904.



This preview shows how white text looks on a background with the XYZ color 19.9300, 19.6459,

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

19.9300, 19.6459, 5.9904

Protanopia

17.9022, 19.6665, 6.3425

Deuteranopia

19.9300, 19.6459, 5.9904



Tritanopia

22.7506, 19.6280, 19.7290

Trichromacy



Original Color

19.9300, 19.6459, 5.9904

Protanomaly

18.6353, 19.6826, 6.1851

Deuteranomaly

19.9300, 19.6459, 5.9904

Tritanomaly

21.4431, 19.5870, 13.2402

Monochromacy



Original Color

19.9300, 19.6459, 5.9904

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1781, 18.9254, 13.5214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9300, 19.6459, 5.9904 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(152, 117, 52)` looks like.

```
.text, #text, p{  
    color:rgb(152, 117, 52)  
}
```

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(152, 117, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 117, 52) }
```

Border

The CSS property to change the border of an element to XYZ 19.9300, 19.6459, 5.9904 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(152, 117, 52) }
```


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

```
.border{ border-color:rgb(152, 117, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 117, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 117, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 117, 52);  
box-shadow:4px 4px 4px 4px rgb(152, 117,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9300, 19.6459, 5.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 117, 52) }
```

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

```
.background{ background-color: rgb(152,  
117, 52) }
```

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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