

Converting Colors

XYZ(19.6629, 19.1354, 4.9141)

Have a look what the booklet for
XYZ(19.6629, 19.1354, 4.9141)
contains.

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Color

**XYZ(19.7036, 19.2082,
4.9546)**

Conversions

Conversions Part 1

Format	Color
Hex	99732B
RGB	153, 115, 43
RGB Percent	60%, 45%, 17%
CMY	0.4000, 0.5490, 0.8314
CMYK	0.00, 0.25, 0.72, 0.40
HSL	39°, 56%, 38%
HSV	39°, 72%, 60%
XYZ	19.7036, 19.2082, 4.9546
YIQ	118.1540, 45.7600, -14.3360

Conversions

Conversions Part 2

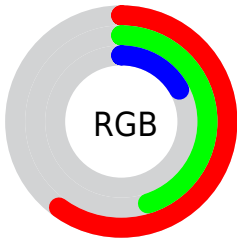
Format	Color
R_{YB}	101, 153, 43
Decimal	10056491
CIE _{Lab}	50.93, 7.43, 43.99
CIE _{LCh}	51, 44.617, 80.417
Yxy	19.2082, 0.4492, 0.4379
Android (android.graphics.Color)	4288246571 (0xFF99732B)
YUV	118.1540, -37.0509, 30.5599
Hunter-Lab	43.8272, 3.5516, 23.9764

Details

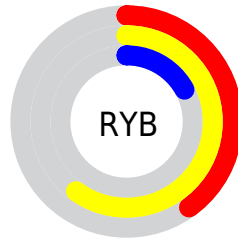
The XYZ color **19.7036, 19.2082, 4.9546** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.6883, 8.6980, 31.3049**, and the grayscale version is **17.3711, 18.2758, 19.9023**.

A 20% lighter version of the original color is **42.3728, 42.1294, 16.2544**, and **7.0442, 6.6110, 0.9048** is the 20% darker color. If you saturate the color by 10%, you get **18.8885, 17.9461, 3.5485**, and if you desaturate by 10%, it is **20.6595, 20.5834, 6.9276**.

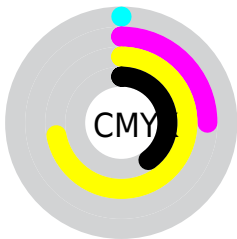
Distribution



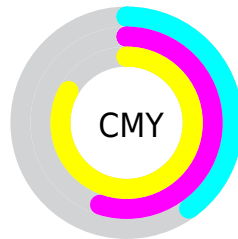
- Red (60%)
- Green (45%)
- Blue (17%)



- Red (40%)
- Yellow (60%)
- Blue (17%)



- Cyan (0%)
- Magenta (25%)
- Yellow (72%)
- Black (40%)





- Cyan (40%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7036, 19.2082, 4.9546 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 19.7036, 19.2082, 4.9546 by changing the saturation by 10% instead.


 19.7036, 19.2082,
4.9546


 19.7036, 19.2082,
4.9546


243.1702,
247.5957, 158.3088


 12.2868, 11.8208,
2.1624


 42.4274, 42.0856,
16.1575


 7.0129, 6.6218,
0.6525


 58.4652, 58.3444,
25.4053


 3.5166, 3.2267,
0.0000

 78.1072, 78.3292,
37.6421

 1.4325, 1.2512,
0.0000

 101.7190,
102.4243, 53.2863

 0.2792, 0.1029,
0.0000

 129.6658,
131.0141, 72.7565

 0.0000, 0.0000,
0.0000

 162.3131,

164.4830, 96.4713

200.0261,
203.2154, 124.8492

■ 19.7036, 19.2082,
4.9546

■ 19.7036, 19.2082,
4.9546

■ 18.8885, 17.9461,
3.5485

■ 20.6595, 20.5834,
6.9276

■ 18.1998, 16.7881,
2.6421

■ 21.7659, 22.0743,
9.5221

■ 17.7083, 15.9155,
2.1387

■ 23.0332, 23.6866,
12.7877

■ 24.4701, 25.4247,
16.7684

■ 26.0849, 27.2927,
21.5045

■ 27.8852, 29.2944,
27.0334

■ 29.8779, 31.4335,
33.3898

■ 32.0698, 33.7134,
40.6065

■ 34.4673, 36.1375,
48.7144

Harmonies

Analogous

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



24.2036, 19.2082, 7.2359



19.7036, 19.2082, 4.9546



15.4584, 19.2082, 5.4225

Triad

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



19.7036, 19.2082, 4.9546



11.4134, 19.2082, 30.5699



25.5941, 19.2082, 40.4932

Complementary

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



19.7036, 19.2082, 4.9546



9.6883, 8.6980, 31.3049

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.



21.3740, 19.2082, 52.8825



19.7036, 19.2082, 4.9546



13.3738, 19.2082, 45.7354

Square

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



19.7036, 19.2082, 4.9546



11.1135, 19.2082, 17.1302



16.8827, 19.2082, 55.1133



27.9476, 19.2082, 25.2186

Rectangle

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



19.7036, 19.2082, 4.9546



13.2973, 19.2082, 7.3483



16.8827, 19.2082, 55.1133



24.3177, 19.2082, 45.3542

Sweetspot

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



19.7040, 19.2091, 4.9550



46.5509, 48.6916, 38.0178



15.5048, 9.1018, 8.8232



10.1173, 10.5671, 7.9133



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.



19.7040, 19.2091, 4.9550



33.0855, 30.9137, 5.3121



22.0619, 28.2328, 6.5724



6.5292, 6.8634, 6.5865



14.6677, 13.2178, 1.7782



0.2529, 0.2649, 0.0378

Inverse Universe

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



9.6883, 8.6980, 31.3049



14.1745, 11.1688, 55.3807



8.4472, 4.9730, 30.6513



6.0503, 6.3579, 7.8373



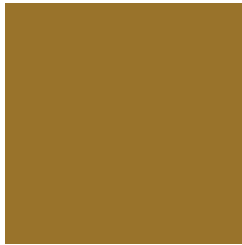
5.8273, 4.0513, 25.3825



0.1188, 0.1240, 0.3900

Previews

White Background



This preview shows how the XYZ color 19.7036, 19.2082, 4.9546 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 19.7036, 19.2082, 4.9546 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 19.7036, 19.2082, 4.9546

Background



This preview shows how black text looks on a background with the XYZ color 19.7036, 19.2082, 4.9546.



This preview shows how white text looks on a background with the XYZ color 19.7036, 19.2082,

4.9546.

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

19.7036, 19.2082, 4.9546

Protanopia

17.5865, 19.3428, 5.2892

Deuteranopia

19.6303, 19.3406, 4.9840



Tritanopia

22.6155, 19.2552, 19.0477

Trichromacy



Original Color

19.7036, 19.2082, 4.9546

Protanomaly

18.2068, 19.1263, 5.1150

Deuteranomaly

19.6303, 19.3406, 4.9840

Tritanomaly

21.1979, 19.1581, 12.0318

Monochromacy



Original Color

19.7036, 19.2082, 4.9546

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6097, 18.3032, 12.5023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7036, 19.2082, 4.9546 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(153, 115, 43)` looks like.

```
.text, #text, p{  
    color:rgb(153, 115, 43)  
}
```

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(153, 115, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 115, 43) }
```

Border

The CSS property to change the border of an element to XYZ 19.7036, 19.2082, 4.9546 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(153, 115, 43) }
```


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

```
.border{ border-color:rgb(153, 115, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 115, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 115, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 115, 43);  
box-shadow:4px 4px 4px 4px rgb(153, 115,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7036, 19.2082, 4.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 115, 43) }
```

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

```
.background{ background-color: rgb(153,  
115, 43) }
```

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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