

Converting Colors

XYZ(19.9443, 18.6543, 4.0189)

Have a look what the booklet for
XYZ(19.9443, 18.6543, 4.0189)
contains.

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Color

**XYZ(19.8636, 18.6468,
3.9911)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6F21
RGB	157, 111, 33
RGB Percent	62%, 44%, 13%
CMY	0.3843, 0.5647, 0.8706
CMYK	0.00, 0.29, 0.79, 0.38
HSL	38°, 65%, 37%
HSV	38°, 79%, 62%
XYZ	19.8636, 18.6468, 3.9911
YIQ	115.8620, 52.4540, -14.5060

Conversions

Conversions Part 2

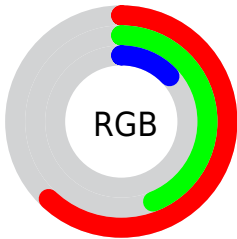
Format	Color
R_{YB}	106, 157, 33
Decimal	10317601
CIE _{Lab}	50.27, 11.06, 47.82
CIE _{LCh}	50, 49.088, 76.973
Yxy	18.6468, 0.4674, 0.4387
Android (android.graphics.Color)	4288507681 (0xFF9D6F21)
YUV	115.8620, -40.8510, 36.0780
Hunter-Lab	43.1819, 6.5412, 24.7475

Details

The XYZ color **19.8636, 18.6468, 3.9911** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5089, 8.3493, 33.0085**, and the grayscale version is **16.6686, 17.5367, 19.0974**.

A 20% lighter version of the original color is **42.7218, 41.2816, 14.1040**, and **7.1443, 6.3217, 0.8437** is the 20% darker color. If you saturate the color by 10%, you get **19.0781, 17.3495, 2.8861**, and if you desaturate by 10%, it is **20.7940, 20.0699, 5.6508**.

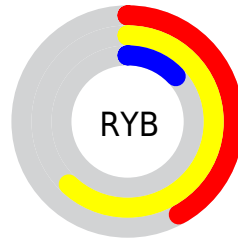
Distribution



Red (62%)

Green (44%)

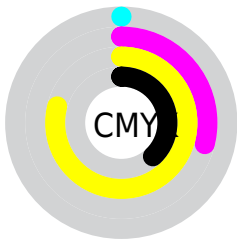
Blue (13%)



Red (42%)

Yellow (62%)

Blue (13%)

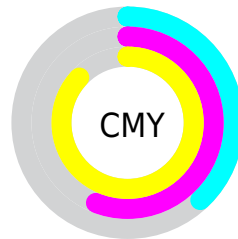


Cyan (0%)

Magenta (29%)

Yellow (79%)

Black (38%)



Cyan (38%)

Magenta (56%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8636, 18.6468, 3.9911 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 19.8636, 18.6468, 3.9911 by changing the saturation by 10% instead.

■ 19.8636, 18.6468,
3.9911

■ 19.8636, 18.6468,
3.9911

244.0234,
244.4919, 148.1264

■ 12.4036, 11.4153,
1.6205

■ 42.6941, 41.1364,
13.9892

■ 7.0933, 6.3469,
0.3054

■ 58.7953, 57.1634,
22.4538

■ 3.5674, 3.0572,
0.0000

■ 78.5076, 76.8909,
33.7868

■ 1.4604, 1.1616,
0.0000

■ 102.1964,
100.7035, 48.4067

■ 0.2987, 0.0300,
0.0000

■ 130.2270,
128.9855, 66.7320

■ 0.0000, 0.0000,
0.0000

■ 162.9648,

162.1213, 89.1814

200.7752,
200.4953, 116.1734

19.8636, 18.6468,
3.9911

19.8636, 18.6468,
3.9911

19.0781, 17.3495,
2.8861

20.7940, 20.0699,
5.6508

18.4091, 16.1631,
2.1955

21.8813, 21.6225,
7.9310

18.3439, 16.0468,
2.1305

23.1377, 23.3115,
10.8893

24.5733, 25.1420,
14.5764

26.1976, 27.1190,
19.0381

■ 28.0192, 29.2470,
24.3163

■ 30.0461, 31.5303,
30.4501

■ 32.2858, 33.9729,
37.4760

■ 34.7455, 36.5788,
45.4281

Harmonies

Analogous

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



24.7173, 18.6468, 6.5528



19.8636, 18.6468, 3.9911



15.1875, 18.6468, 4.1508

Triad

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



19.8636, 18.6468, 3.9911



10.3419, 18.6468, 28.9400



25.2768, 18.6468, 43.9039

Complementary

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



19.8636, 18.6468, 3.9911



9.5089, 8.3493, 33.0085

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.



20.5265, 18.6468, 57.0232



19.8636, 18.6468, 3.9911



12.1912, 18.6468, 46.0690

Square

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



19.8636, 18.6468, 3.9911



10.2286, 18.6468, 14.9575



15.7424, 18.6468, 57.9565



28.1985, 18.6468, 26.7913

Rectangle

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



19.8636, 18.6468, 3.9911



12.7763, 18.6468, 5.7519



15.7424, 18.6468, 57.9565



23.8060, 18.6468, 49.2051

Sweetspot

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



19.8640, 18.6477, 3.9915



48.3466, 50.2553, 38.1801



15.9163, 8.8430, 8.5614



10.4064, 10.7851, 7.7362



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.8640, 18.6477, 3.9915



33.2242, 29.3928, 4.2152



23.5785, 30.0217, 5.9911



6.9632, 7.3063, 7.0289



14.9350, 13.1055, 1.7425



0.3064, 0.3130, 0.0443

Inverse Universe

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



9.5089, 8.3493, 33.0085



14.0507, 10.4733, 58.4077



7.8237, 4.1377, 32.2844



6.4762, 6.8182, 8.3814



6.2145, 4.5206, 26.4523



0.1500, 0.1586, 0.4859

Previews

White Background



This preview shows how the XYZ color 19.8636, 18.6468, 3.9911 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 19.8636, 18.6468, 3.9911 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 19.8636, 18.6468, 3.9911

Background



This preview shows how black text looks on a background with the XYZ color 19.8636, 18.6468, 3.9911.



This preview shows how white text looks on a background with the XYZ color 19.8636, 18.6468,

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

19.8636, 18.6468, 3.9911

Protanopia

17.0115, 18.7052, 4.3040

Deuteranopia

19.0405, 18.7182, 3.9759



Tritanopia

22.7198, 18.7297, 17.4567

Trichromacy



Original Color

19.8636, 18.6468, 3.9911

Protanomaly

17.9777, 18.6777, 4.1710

Deuteranomaly

19.3027, 18.6868, 3.9561

Tritanomaly

21.3162, 18.6135, 10.6529

Monochromacy



Original Color

19.8636, 18.6468, 3.9911

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0571, 17.5318, 11.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8636, 18.6468, 3.9911 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(157, 111, 33)` looks like.

```
.text, #text, p{  
    color:rgb(157, 111, 33)  
}
```

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(157, 111, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 111, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.8636, 18.6468, 3.9911 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(157, 111, 33) }
```


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

```
.border{ border-color:rgb(157, 111, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 111, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 111, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 111, 33);  
box-shadow:4px 4px 4px 4px rgb(157, 111,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8636, 18.6468, 3.9911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 111, 33) }
```

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

```
.background{ background-color: rgb(157,  
111, 33) }
```

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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