

Converting Colors

XYZ(19.6527, 16.5859, 7.0612)

Have a look what the booklet for
XYZ(19.6527, 16.5859, 7.0612)
contains.

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Color

**XYZ(19.6853, 16.6648,
7.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6340
RGB	159, 99, 64
RGB Percent	62%, 39%, 25%
CMY	0.3765, 0.6117, 0.7490
CMYK	0.00, 0.38, 0.60, 0.38
HSL	22°, 43%, 44%
HSV	22°, 60%, 62%
XYZ	19.6853, 16.6648, 7.0296
YIQ	112.9500, 46.9950, 1.8350

Conversions

Conversions Part 2

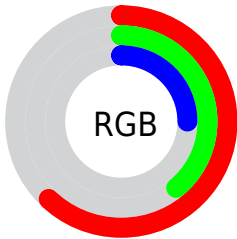
Format	Color
RYB	159, 119, 64
Decimal	10445632
CIELab	47.83, 20.68, 29.83
CIElCh	48, 36.293, 55.270
Yxy	16.6648, 0.4538, 0.3842
Android (android.graphics.Color)	4288635712 (0xFF9F6340)
YUV	112.9500, -24.1324, 40.3858
Hunter-Lab	40.8225, 14.6362, 18.3661

Details

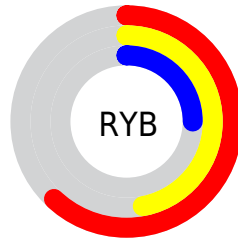
The XYZ color **19.6853, 16.6648, 7.0296** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.5795, 18.0074, 35.4552**, and the grayscale version is **15.7412, 16.5609, 18.0349**.

A 20% lighter version of the original color is **42.5023, 37.7567, 20.6704**, and **7.0545, 5.4461, 1.2955** is the 20% darker color. If you saturate the color by 10%, you get **18.4029, 14.7238, 4.6793**, and if you desaturate by 10%, it is **21.2158, 18.8957, 10.0993**.

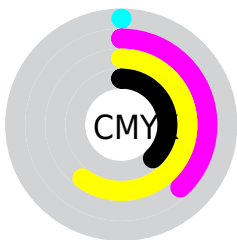
Distribution



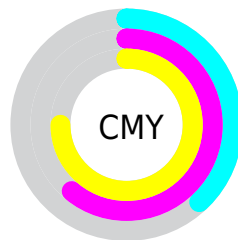
- Red (62%)
- Green (39%)
- Blue (25%)



- Red (62%)
- Yellow (47%)
- Blue (25%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (38%)



- Cyan (38%)
- Magenta (61%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6853, 16.6648, 7.0296 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 19.6853, 16.6648, 7.0296 by changing the saturation by 10% instead.

■ 19.6853, 16.6648,
7.0296

■ 19.6853, 16.6648,
7.0296

243.0725,
233.2332, 177.5497

■ 12.2734, 9.9958,
3.4019

■ 42.3969, 37.7485,
20.5466

■ 7.0037, 5.3962,
1.3033

■ 58.4274, 52.9321,
31.2730

■ 3.5108, 2.4815,
0.0645

■ 78.0614, 71.7226,
45.2027

■ 1.4293, 0.8674,
0.0000

■ 101.6643, 94.5044,
62.7542

■ 0.2769, 0.0000,
0.0000

■ 129.6016,
121.6620, 84.3462

■ 0.0000, 0.0000,
0.0000

■ 162.2384,

153.5797, 110.3970

199.9403,
190.6420, 141.3254

■ 19.6853, 16.6648,
7.0296

■ 19.6853, 16.6648,
7.0296

■ 18.4029, 14.7238,
4.6793

■ 21.2158, 18.8957,
10.0993

■ 17.3518, 13.0570,
2.9866

■ 23.0074, 21.4262,
13.9414

■ 16.5145, 11.6508,
1.8805

■ 25.0732, 24.2686,
18.6049

■ 15.8559, 10.4832,
1.1993

■ 27.4253, 27.4335,
24.1344

■ 15.8407, 10.4564,
1.1834

■ 30.0749, 30.9311,
30.5712

■ 33.0325, 34.7714,
37.9541

■ 36.3082, 38.9634,
46.3195

■ 39.9115, 43.5162,
55.7020

■ 43.8515, 48.4383,
66.1343

Harmonies

Analogous

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



22.2103, 16.6648, 11.5105



19.6853, 16.6648, 7.0296



16.3619, 16.6648, 5.4909

Triad

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



19.6853, 16.6648, 7.0296



10.3781, 16.6648, 16.7047



18.6684, 16.6648, 39.6996

Complementary

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



19.6853, 16.6648, 7.0296



15.5795, 18.0074, 35.4552

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.



15.3281, 16.6648, 42.5574



19.6853, 16.6648, 7.0296



10.8206, 16.6648, 26.9370

Square

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



19.6853, 16.6648, 7.0296



11.2265, 16.6648, 9.7194



12.5302, 16.6648, 37.2567



21.5691, 16.6648, 30.4133

Rectangle

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



19.6853, 16.6648, 7.0296



14.2454, 16.6648, 5.7530



12.5302, 16.6648, 37.2567



17.5481, 16.6648, 41.5547

Sweetspot

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



19.6857, 16.6656, 7.0299



49.7509, 49.9751, 44.7430



19.7801, 12.4972, 20.4938



10.9371, 10.8948, 9.4194



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.



19.6857, 16.6656, 7.0299



32.2301, 25.2325, 7.1525



25.5537, 28.4016, 8.9859



6.8232, 7.0265, 6.9823



12.5488, 8.3332, 0.9471



0.2631, 0.2265, 0.0298

Inverse Universe

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



15.5795, 18.0074, 35.4552



24.1310, 27.7540, 62.8287



11.0031, 8.8546, 33.9298



6.6162, 7.0981, 8.4280



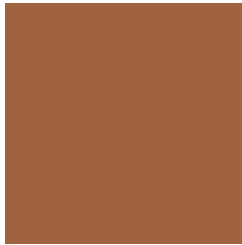
8.6144, 9.3203, 27.2522



0.1933, 0.2451, 0.5004

Previews

White Background



This preview shows how the XYZ color 19.6853, 16.6648, 7.0296 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 19.6853, 16.6648, 7.0296 looks on a black 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

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

XYZ 19.6853, 16.6648, 7.0296

Background



This preview shows how black text looks on a background with the XYZ color 19.6853, 16.6648, 7.0296.



This preview shows how white text looks on a background with the XYZ color 19.6853, 16.6648,

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

19.6853, 16.6648, 7.0296

Protanopia

15.4037, 16.7494, 8.0513

Deuteranopia

16.9856, 16.7740, 6.8999



Tritanopia

21.2520, 16.6264, 14.4010

Trichromacy



Original Color

19.6853, 16.6648, 7.0296

Protanomaly

16.7983, 16.6609, 7.6407

Deuteranomaly

17.8028, 16.5730, 6.9632

Tritanomaly

20.6423, 16.6474, 11.3578

Monochromacy



Original Color

19.6853, 16.6648, 7.0296

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.6340, 16.2972, 13.0954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6853, 16.6648, 7.0296 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, 99, 64)` looks like.

```
.text, #text, p{  
    color:rgb(159, 99, 64)  
}
```

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, 99, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 99, 64) }
```

Border

The CSS property to change the border of an element to XYZ 19.6853, 16.6648, 7.0296 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, 99, 64) }
```


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

```
.border{ border-color:rgb(159, 99, 64) }
```

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

Here you see how a box with a 4 pixel rgb(159, 99, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 99, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 99, 64);  
box-shadow:4px 4px 4px 4px rgb(159, 99,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6853, 16.6648, 7.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 99, 64) }
```

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

```
.background{ background-color: rgb(159, 99,  
64) }
```

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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