

Converting Colors

XYZ(20.6848, 19.9671, 16.9490)

Have a look what the booklet for
XYZ(20.6848, 19.9671, 16.9490)
contains.

XYZ(20.6868, 19.9689, 16.9514)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6868, 19.9689,
16.9514)**

Conversions

Conversions Part 1

Format	Color
Hex	90766C
RGB	144, 118, 108
RGB Percent	56%, 46%, 42%
CMY	0.4353, 0.5372, 0.5765
CMYK	0.00, 0.18, 0.25, 0.44
HSL	17°, 14%, 49%
HSV	17°, 25%, 56%
XYZ	20.6868, 19.9689, 16.9514
YIQ	124.6340, 18.7060, 2.4020

Conversions

Conversions Part 2

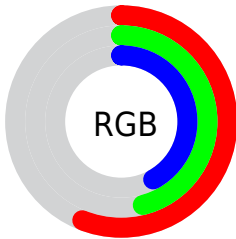
Format	Color
RYB	144, 122, 108
Decimal	9467500
CIELab	51.80, 8.51, 9.31
CIELCh	52, 12.613, 47.562
Yxy	19.9689, 0.3591, 0.3466
Android (android.graphics.Color)	4287657580 (0xFF90766C)
YUV	124.6340, -8.2006, 16.9840
Hunter-Lab	44.6866, 4.4317, 8.7895

Details

The XYZ color **20.6868, 19.9689, 16.9514** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7432, 22.2512, 29.6399**, and the grayscale version is **19.3927, 20.4027, 22.2185**.

A 20% lighter version of the original color is **43.9214, 43.2584, 38.8357**, and **7.5467, 7.0444, 5.3768** is the 20% darker color. If you saturate the color by 10%, you get **18.8251, 17.3723, 12.8570**, and if you desaturate by 10%, it is **22.8112, 22.8880, 21.7584**.

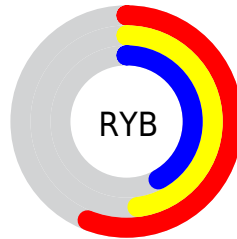
Distribution



Red (56%)

Green (46%)

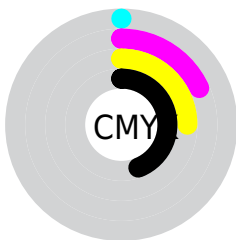
Blue (42%)



Red (56%)

Yellow (48%)

Blue (42%)

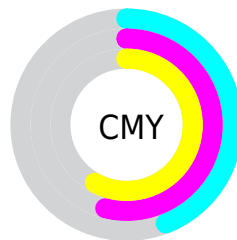


Cyan (0%)

Magenta (18%)

Yellow (25%)

Black (44%)



Cyan (44%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6868, 19.9689, 16.9514 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 20.6868, 19.9689, 16.9514 by changing the saturation by 10% instead.

■ 20.6868, 19.9689,
16.9514

■ 20.6868, 19.9689,
16.9514

248.3726,
251.7467, 246.9266

■ 13.0064, 12.3724,
10.0383

■ 44.0609, 43.3650,
39.0317

■ 7.5100, 6.9979,
5.3184

■ 60.4853, 59.9335,
55.0359

■ 3.8322, 3.4608,
2.3733

■ 80.5552, 80.2614,
74.9076

■ 1.6076, 1.3768,
0.7718

■ 104.6357,
104.7332, 99.0653

■ 0.3974, 0.1995,
0.0000

133.0924,
133.7332, 127.9275

■ 0.0000, 0.0000,
0.0000

166.2906,

167.6459, 161.9127

204.5955,
206.8556, 201.4396

■ 20.6868, 19.9689,
16.9514

■ 20.6868, 19.9689,
16.9514

■ 18.8251, 17.3723,
12.8570

■ 22.8112, 22.8880,
21.7584

■ 17.2140, 15.0843,
9.4398

■ 25.2066, 26.1375,
27.3086

■ 15.8426, 13.0940,
6.6632

■ 27.8830, 29.7284,
33.6323

■ 14.6987, 11.3885,
4.4866

■ 30.8493, 33.6706,
40.7579

■ 13.7689, 9.9543,
2.8648

■ 34.1142, 37.9731,
48.7120

■ 13.0380, 8.7765,
1.7459

■ 37.6857, 42.6451,
57.5204

■ 12.4876, 7.8381,
1.0615

■ 41.5717, 47.6951,
67.2075

■ 12.2609, 7.4478,
0.7913

■ 45.7798, 53.1315,
77.7967

■ 50.3174, 58.9623,
89.3107

Harmonies

Analogous

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



21.4204, 19.9689, 19.6875



20.6868, 19.9689, 16.9514



19.5140, 19.9689, 15.5688

Triad

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



20.6868, 19.9689, 16.9514



16.6799, 19.9689, 20.2619



19.7310, 19.9689, 29.1663

Complementary

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



20.6868, 19.9689, 16.9514



19.7432, 22.2512, 29.6399

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.



18.4555, 19.9689, 29.3648



20.6868, 19.9689, 16.9514



16.7321, 19.9689, 23.9362

Square

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



20.6868, 19.9689, 16.9514



17.2234, 19.9689, 17.3311



17.3695, 19.9689, 27.3612



20.8518, 19.9689, 26.8458

Rectangle

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



20.6868, 19.9689, 16.9514



18.6583, 19.9689, 15.4858



17.3695, 19.9689, 27.3612



19.3051, 19.9689, 29.4920

Sweetspot

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



20.6873, 19.9698, 16.9518



43.5114, 44.8214, 45.9539



21.1953, 18.3870, 25.1329



9.9283, 10.2111, 10.4221



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.6873, 19.9698, 16.9518



34.5875, 32.5809, 25.6924



22.9564, 24.5080, 17.7082



5.5233, 5.6529, 5.6894



10.6948, 6.5212, 0.6950



0.1188, 0.0955, 0.0122

Inverse Universe

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



19.7432, 22.2512, 29.6399



32.6252, 37.3087, 52.0198



17.5102, 17.7852, 28.8956



5.4353, 5.8664, 6.8746



8.7137, 10.4135, 24.5278



0.1019, 0.1367, 0.2407

Previews

White Background



This preview shows how the XYZ color 20.6868, 19.9689, 16.9514 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 20.6868, 19.9689, 16.9514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

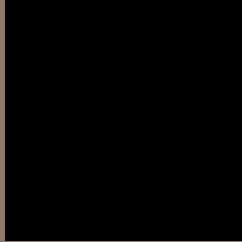
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6868, 19.9689, 16.9514

Background



This preview shows how black text looks on a background with the XYZ color 20.6868, 19.9689, 16.9514.

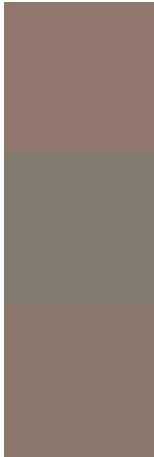


This preview shows how white text looks on a background with the XYZ color 20.6868, 19.9689,

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

20.6868, 19.9689, 16.9514

Protanopia

19.0055, 19.9807, 17.8939

Deuteranopia

20.2881, 19.9391, 16.9667



Tritanopia

21.8011, 20.0824, 22.1293

Trichromacy



Original Color

20.6868, 19.9689, 16.9514

Protanomaly

19.4834, 19.8689, 17.5600

Deuteranomaly

20.4589, 20.0271, 16.9747

Tritanomaly

21.3681, 20.0742, 20.2013

Monochromacy



Original Color

20.6868, 19.9689, 16.9514

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8050, 20.1565, 20.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6868, 19.9689, 16.9514 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(144, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 108)  
}
```

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(144, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.6868, 19.9689, 16.9514 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(144, 118, 108) }
```


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

```
.border{ border-color:rgb(144, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6868, 19.9689, 16.9514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 108) }
```

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

```
.background{ background-color: rgb(144,  
118, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor