

Converting Colors

XYZ(19.8799, 20.6895, 16.0428)

Have a look what the booklet for
XYZ(19.8799, 20.6895, 16.0428)
contains.

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Color

**XYZ(19.8597, 20.6490,
16.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	887C68
RGB	136, 124, 104
RGB Percent	53%, 49%, 41%
CMY	0.4667, 0.5137, 0.5922
CMYK	0.00, 0.09, 0.24, 0.47
HSL	38°, 13%, 47%
HSV	38°, 24%, 53%
XYZ	19.8597, 20.6490, 16.0356
YIQ	125.3080, 13.5720, -3.6760

Conversions

Conversions Part 2

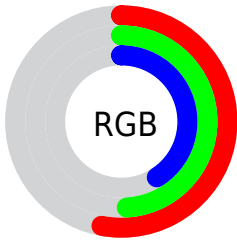
Format	Color
RYB	123, 136, 104
Decimal	8944744
CIELab	52.56, 1.17, 12.59
CIELCh	53, 12.648, 84.705
Yxy	20.6490, 0.3512, 0.3652
Android (android.graphics.Color)	4287134824 (0xFF887C68)
YUV	125.3080, -10.5048, 9.3769
Hunter-Lab	45.4412, -1.5101, 10.8861

Details

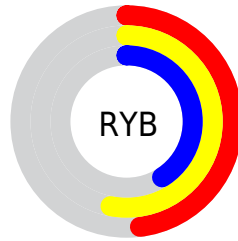
The XYZ color **19.8597, 20.6490, 16.0356** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3982, 17.2110, 25.7505**, and the grayscale version is **19.6284, 20.6506, 22.4885**.

A 20% lighter version of the original color is **42.6769, 44.3644, 37.3242**, and **7.0923, 7.3060, 4.9073** is the 20% darker color. If you saturate the color by 10%, you get **18.6015, 19.1502, 12.4785**, and if you desaturate by 10%, it is **21.2635, 22.2603, 20.1914**.

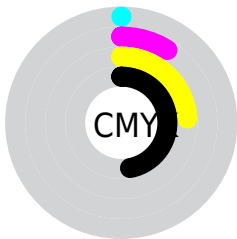
Distribution



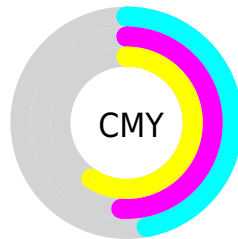
- Red (53%)
- Green (49%)
- Blue (41%)



- Red (48%)
- Yellow (53%)
- Blue (41%)



- Cyan (0%)
- Magenta (9%)
- Yellow (24%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8597, 20.6490, 16.0356 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 19.8597, 20.6490, 16.0356 by changing the saturation by 10% instead.

■ 19.8597, 20.6490,
16.0356

■ 19.8597, 20.6490,
16.0356

244.0026,
255.4072, 241.4046

■ 12.4008, 12.8677,
9.3947

■ 42.6876, 44.5026,
37.4276

■ 7.0914, 7.3375,
4.8992

■ 58.7872, 61.3437,
53.0159

■ 3.5661, 3.6740,
2.1305

■ 78.4978, 81.9736,
72.4237

■ 1.4597, 1.4930,
0.6339

■ 102.1848,
106.7765, 96.0695

■ 0.2982, 0.2838,
0.0000

130.2133,
136.1369, 124.3720

■ 0.0000, 0.0000,
0.0000

162.9489,

170.4393, 157.7497

200.7569,
210.0679, 196.6210

■ 19.8597, 20.6490,
16.0356

■ 19.8597, 20.6490,
16.0356

■ 18.6015, 19.1502,
12.4785

■ 21.2635, 22.2603,
20.1914

■ 17.4814, 17.7581,
9.4907

■ 22.8167, 23.9843,
24.9711

■ 16.4937, 16.4702,
7.0419

■ 24.5251, 25.8247,
30.3998

■ 15.6315, 15.2830,
5.0987

■ 26.3934, 27.7843,
36.5009

■ 14.8873, 14.1926,
3.6239

■ 28.4263, 29.8656,
43.2967

■ 14.2526, 13.1947,
2.5751

■ 30.6283, 32.0712,
50.8085

■ 13.7170, 12.2842,
1.9008

■ 33.0037, 34.4033,
59.0565

■ 13.4029, 11.7331,
1.5583

■ 35.5565, 36.8645,
68.0602

■ 38.2908, 39.4568,
77.8384

Harmonies

Analogous

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



21.1185, 20.6490, 17.0923



19.8597, 20.6490, 16.0356



18.5918, 20.6490, 16.5436

Triad

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



19.8597, 20.6490, 16.0356



17.4248, 20.6490, 25.6365



21.7557, 20.6490, 26.9161

Complementary

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



19.8597, 20.6490, 16.0356



16.3982, 17.2110, 25.7505

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.



20.6984, 20.6490, 29.6975



19.8597, 20.6490, 16.0356



18.2060, 20.6490, 28.9030

Square

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



19.8597, 20.6490, 16.0356



17.2225, 20.6490, 21.8239



19.3946, 20.6490, 30.4621



22.2439, 20.6490, 23.1558

Rectangle

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



19.8597, 20.6490, 16.0356



17.9064, 20.6490, 17.7342



19.3946, 20.6490, 30.4621



21.4528, 20.6490, 28.0124

Sweetspot

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



19.8602, 20.6499, 16.0360



39.1867, 41.1429, 40.8247



18.2718, 16.4023, 18.8076



9.0448, 9.4946, 9.3605



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.8602, 20.6499, 16.0360



33.8416, 35.0248, 24.9477



20.8605, 23.5351, 16.5402



5.2761, 5.5350, 5.3427



12.6944, 11.1232, 1.4779



0.0984, 0.1021, 0.0145

Inverse Universe

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



16.3982, 17.2110, 25.7505



26.6860, 27.9185, 45.0307



15.5464, 14.8499, 25.3397



4.9183, 5.1795, 6.3464



5.3345, 3.9392, 22.5249



0.0487, 0.0527, 0.1541

Previews

White Background



This preview shows how the XYZ color 19.8597, 20.6490, 16.0356 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 19.8597, 20.6490, 16.0356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

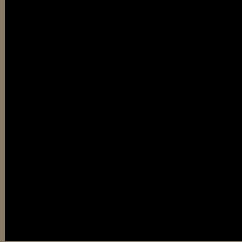
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8597, 20.6490, 16.0356

Background



This preview shows how black text looks on a background with the XYZ color 19.8597, 20.6490, 16.0356.



This preview shows how white text looks on a background with the XYZ color 19.8597, 20.6490,

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

19.8597, 20.6490, 16.0356

Protanopia

19.3991, 20.5927, 16.3169

Deuteranopia

21.0642, 20.7144, 16.2527



Tritanopia

21.3932, 20.5336, 23.9549

Trichromacy



Original Color

19.8597, 20.6490, 16.0356

Protanomaly

19.5563, 20.6737, 16.3243

Deuteranomaly

20.6647, 20.6898, 16.2690

Tritanomaly

20.7698, 20.4585, 20.9434

Monochromacy



Original Color

19.8597, 20.6490, 16.0356

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5978, 20.6187, 19.7765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8597, 20.6490, 16.0356 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(136, 124, 104)` looks like.

```
.text, #text, p{  
    color:rgb(136, 124, 104)  
}
```

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(136, 124, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 124, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.8597, 20.6490, 16.0356 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(136, 124, 104) }
```


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

```
.border{ border-color:rgb(136, 124, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 124, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(136, 124,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8597, 20.6490, 16.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 124, 104) }
```

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

```
.background{ background-color: rgb(136,  
124, 104) }
```

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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