

Converting Colors

XYZ(18.3275, 19.8706, 19.9829)

Have a look what the booklet for
XYZ(18.3275, 19.8706, 19.9829)
contains.

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Color

**XYZ(18.3494, 19.9683,
20.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	787D76
RGB	120, 125, 118
RGB Percent	47%, 49%, 46%
CMY	0.5294, 0.5098, 0.5373
CMYK	0.04, 0.00, 0.06, 0.51
HSL	103°, 3%, 48%
HSV	103°, 6%, 49%
XYZ	18.3494, 19.9683, 20.0267
YIQ	122.7070, -0.7330, -3.2370

Conversions

Conversions Part 2

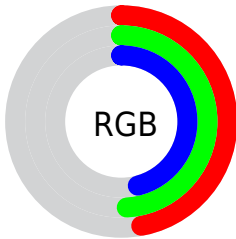
Format	Color
RYB	118, 125, 123
Decimal	7896438
CIELab	51.80, -3.27, 3.16
CIElCh	52, 4.546, 135.985
Yxy	19.9683, 0.3145, 0.3422
Android (android.graphics.Color)	4286086518 (0xFF787D76)
YUV	122.7070, -2.3206, -2.3740
Hunter-Lab	44.6859, -4.9028, 4.7084

Details

The XYZ color **18.3494, 19.9683, 20.0267** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3492, 18.6490, 22.0355**, and the grayscale version is **18.7383, 19.7142, 21.4687**.

A 20% lighter version of the original color is **40.1894, 43.5137, 44.3110**, and **6.3624, 6.9888, 6.8080** is the 20% darker color. If you saturate the color by 10%, you get **16.4742, 19.0824, 16.3149**, and if you desaturate by 10%, it is **20.4397, 20.9549, 24.2633**.

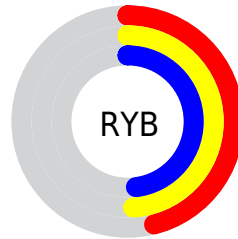
Distribution



Red (47%)

Green (49%)

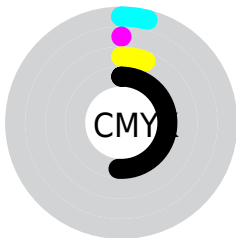
Blue (46%)



Red (46%)

Yellow (49%)

Blue (48%)

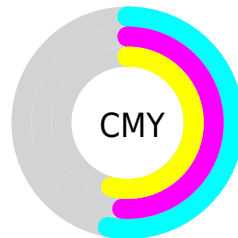


Cyan (4%)

Magenta (0%)

Yellow (6%)

Black (51%)



Cyan (53%)

Magenta (51%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3494, 19.9683, 20.0267 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 18.3494, 19.9683, 20.0267 by changing the saturation by 10% instead.

■ 18.3494, 19.9683,
20.0267

■ 18.3494, 19.9683,
20.0267

235.8408,
251.7435, 264.6686

■ 11.3023, 12.3720,
12.2302

■ 40.1572, 43.3640,
44.3215

■ 6.3394, 6.9976,
6.7762

■ 55.6487, 59.9323,
61.6569

■ 3.0951, 3.4606,
3.2462

■ 74.6857, 80.2599,
83.0089

■ 1.2043, 1.3767,
1.2217

97.6336, 104.7314,
108.7962

■ 0.1097, 0.1994,
0.0000

124.8576,
133.7311, 139.4373

■ 0.0000, 0.0000,
0.0000

156.7233,

167.6434, 175.3507

193.5959,
206.8527, 216.9550

■ 18.3494, 19.9683,
20.0267

■ 18.3494, 19.9683,
20.0267

■ 16.4742, 19.0824,
16.3149

■ 20.4397, 20.9549,
24.2633

■ 14.8054, 18.2914,
13.1063

■ 22.7501, 22.0425,
29.0428

■ 13.3363, 17.5929,
10.3795

■ 25.2875, 23.2350,
34.3838

■ 12.0590, 16.9833,
8.1113

■ 28.0580, 24.5351,
40.3038

■ 10.9651, 16.4588,
6.2765

■ 31.0675, 25.9454,
46.8194

■ 10.0455, 16.0155,
4.8473

■ 34.3215, 27.4686,
53.9467

■ 9.2905, 15.6488,
3.7928

■ 37.8256, 29.1070,
61.7011

■ 8.6890, 15.3539,
3.0778

■ 41.5851, 30.8631,
70.0974

■ 8.2251, 15.1239,
2.6436

■ 45.6050, 32.7393,
79.1499

Harmonies

Analogous

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



18.7364, 19.9683, 19.3936



18.3494, 19.9683, 20.0267



18.1328, 19.9683, 21.1335

Triad

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



18.3494, 19.9683, 20.0267



18.7656, 19.9683, 24.2972



19.8435, 19.9683, 21.0510

Complementary

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



18.3494, 19.9683, 20.0267



18.3492, 18.6490, 22.0355

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.



19.8517, 19.9683, 22.3622



18.3494, 19.9683, 20.0267



19.2242, 19.9683, 24.2729

Square

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



18.3494, 19.9683, 20.0267



18.3705, 19.9683, 23.6178



19.6234, 19.9683, 23.5527



19.6014, 19.9683, 19.9684

Rectangle

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



18.3494, 19.9683, 20.0267



18.1119, 19.9683, 22.0076



19.6234, 19.9683, 23.5527



19.8739, 19.9683, 21.4787

Sweetspot

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



18.3500, 19.9692, 20.0271



34.1437, 36.3647, 38.4479



18.7988, 19.8099, 19.9727



7.7791, 8.2776, 8.7710



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.3500, 19.9692, 20.0271



32.3070, 35.4976, 34.7586



18.1593, 19.8612, 20.4559



4.4696, 4.9148, 4.8033



8.3965, 15.6909, 2.5861



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.3492, 18.6490, 22.0355



32.3052, 32.5024, 39.3153



18.5494, 18.7625, 21.5811



4.4694, 4.4930, 5.4450



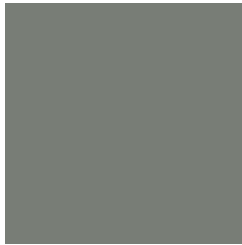
8.1855, 3.7735, 20.5469



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3494, 19.9683, 20.0267 looks on a white background.

Color Contrast Check

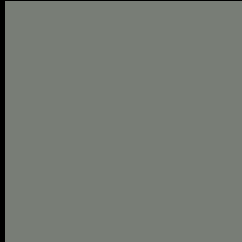
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3494, 19.9683, 20.0267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

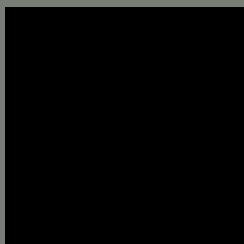
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

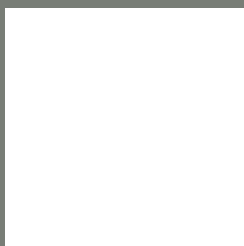
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3494, 19.9683, 20.0267

Background



This preview shows how black text looks on a background with the XYZ color 18.3494, 19.9683, 20.0267.



This preview shows how white text looks on a background with the XYZ color 18.3494, 19.9683,

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

18.3494, 19.9683, 20.0267

Protanopia

19.0462, 19.9623, 19.6789

Deuteranopia

20.2431, 19.8439, 20.2161



Tritanopia

19.3426, 19.9969, 25.0306

Trichromacy



Original Color

18.3494, 19.9683, 20.0267

Protanomaly

18.7307, 19.9847, 19.6998

Deuteranomaly

19.5272, 19.8319, 20.2515

Tritanomaly

18.9891, 20.0388, 23.2891

Monochromacy



Original Color

18.3494, 19.9683, 20.0267

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6849, 19.9334, 20.9519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3494, 19.9683, 20.0267 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(120, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 125, 118)  
}
```

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(120, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 125, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.3494, 19.9683, 20.0267 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(120, 125, 118) }
```


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

```
.border{ border-color:rgb(120, 125, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 125, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 125, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 125, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 125,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3494, 19.9683, 20.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 125, 118) }
```

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

```
.background{ background-color: rgb(120,  
125, 118) }
```

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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