

Converting Colors

XYZ(16.3993, 15.9415, 20.0261)

Have a look what the booklet for
XYZ(16.3993, 15.9415, 20.0261)
contains.

XYZ(16.3936, 15.8645, 19.9674)	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(16.3936, 15.8645,
19.9674)**

Conversions

Conversions Part 1

Format	Color
Hex	786B78
RGB	120, 107, 120
RGB Percent	47%, 42%, 47%
CMY	0.5294, 0.5804, 0.5294
CMYK	0.00, 0.11, 0.00, 0.53
HSL	300°, 6%, 45%
HSV	300°, 11%, 47%
XYZ	16.3936, 15.8645, 19.9674
YIQ	112.3690, 3.5750, 6.7990

Conversions

Conversions Part 2

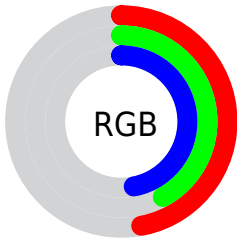
Format	Color
R_{YB}	120, 107, 120
Decimal	7891832
CIE Lab	46.80, 7.65, -5.36
CIE LCh	47, 9.339, 324.989
Yxy	15.8645, 0.3139, 0.3038
Android (android.graphics.Color)	4286081912 (0xFF786B78)
YUV	112.3690, 3.7621, 6.6924
Hunter-Lab	39.8303, 3.7652, -1.8416

Details

The XYZ color **16.3936, 15.8645, 19.9674** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4343, 17.6208, 16.4985**, and the grayscale version is **15.4984, 16.3056, 17.7568**.

A 20% lighter version of the original color is **36.6865, 36.2029, 44.0840**, and **5.3841, 5.0392, 6.8198** is the 20% darker color. If you saturate the color by 10%, you get **15.2285, 13.5341, 19.5791**, and if you desaturate by 10%, it is **17.7333, 18.5436, 20.4143**.

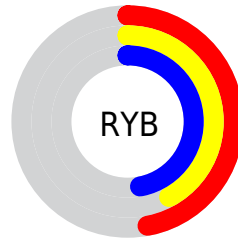
Distribution



Red (47%)

Green (42%)

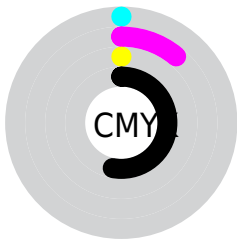
Blue (47%)



Red (47%)

Yellow (42%)

Blue (47%)

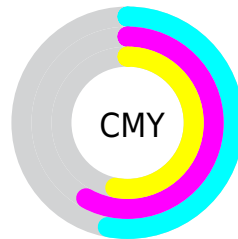


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3936, 15.8645, 19.9674 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 16.3936, 15.8645, 19.9674 by changing the saturation by 10% instead.

■ 16.3936, 15.8645,
19.9674

■ 16.3936, 15.8645,
19.9674

224.8782,
228.5408, 264.3370

■ 9.8957, 9.4283,
12.1875

■ 36.8321, 36.3628,
44.2208

■ 5.3916, 5.0216,
6.7474

■ 51.5035, 51.1937,
61.5313

■ 2.5159, 2.2599,
3.2286

■ 69.6300, 69.5917,
82.8559

■ 0.9033, 0.7524,
1.2125

■ 91.5771, 91.9411,
108.6129

■ 0.0000, 0.0000,
0.0000

117.7102,
118.6263, 139.2210

148.3944,

150.0317, 175.0987

183.9953,
186.5418, 216.6645

■ 16.3936, 15.8645,
19.9674

■ 16.3936, 15.8645,
19.9674

■ 15.2285, 13.5341,
19.5791

■ 17.7333, 18.5436,
20.4143

■ 14.2295, 11.5361,
19.2460

■ 19.2528, 21.5826,
20.9209

■ 13.3894, 9.8560,
18.9659

■ 20.9591, 24.9951,
21.4898

■ 12.7001, 8.4774,
18.7360

■ 22.8580, 28.7930,
22.1229

■ 12.1526, 7.3824,
18.5533

■ 24.9555, 32.9879,
22.8221

■ 11.7370, 6.5514,
18.4147

■ 27.2570, 37.5908,
23.5894

■ 11.4424, 5.9620,
18.3164

■ 29.7678, 42.6124,
24.4265

■ 11.2556, 5.5885,
18.2540

■ 32.4931, 48.0629,
25.3350

■ 11.1359, 5.3491,
18.2140

■ 35.4377, 53.9521,
26.3166

Harmonies

Analogous

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



15.7478, 15.8645, 21.6504



16.3936, 15.8645, 19.9674



16.6877, 15.8645, 17.6671

Triad

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



16.3936, 15.8645, 19.9674



15.2155, 15.8645, 13.1924



13.7078, 15.8645, 19.2318

Complementary

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



16.3936, 15.8645, 19.9674



15.4343, 17.6208, 16.4985

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.



13.5767, 15.8645, 16.8863



16.3936, 15.8645, 19.9674



14.4289, 15.8645, 13.5306

Square

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



16.3936, 15.8645, 19.9674



15.9921, 15.8645, 13.8651



13.8361, 15.8645, 14.8339



14.2008, 15.8645, 21.1997

Rectangle

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



16.3936, 15.8645, 19.9674



16.6373, 15.8645, 16.1432



13.8361, 15.8645, 14.8339



13.6207, 15.8645, 18.4559

Sweetspot

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



16.3941, 15.8652, 19.9677



30.6339, 31.5039, 35.7193



14.7119, 14.9980, 19.8892



7.2184, 7.3831, 8.4513



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.3941, 15.8652, 19.9677



28.2959, 26.8279, 34.9397



16.0128, 15.7127, 17.9602



4.1545, 4.0775, 5.0112



12.1484, 5.8355, 19.8700



57.9489, 27.8359, 94.7818

Inverse Universe

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



16.3941, 15.8652, 19.9677



28.2959, 26.8279, 34.9397



15.7893, 17.7628, 18.3677



4.1545, 4.0775, 5.0112



12.1484, 5.8355, 19.8700



57.9489, 27.8359, 94.7818

Previews

White Background



This preview shows how the XYZ color 16.3936, 15.8645, 19.9674 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 16.3936, 15.8645, 19.9674 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 16.3936, 15.8645, 19.9674

Background



This preview shows how black text looks on a background with the XYZ color 16.3936, 15.8645, 19.9674.

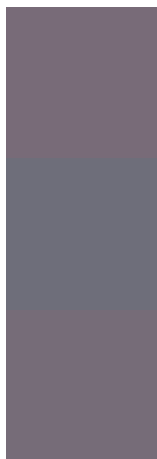


This preview shows how white text looks on a background with the XYZ color 16.3936, 15.8645,

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

16.3936, 15.8645, 19.9674

Protanopia

15.5192, 15.8720, 20.6580

Deuteranopia

16.2239, 15.9327, 19.9895



Tritanopia

16.1227, 15.9080, 18.7438

Trichromacy



Original Color

16.3936, 15.8645, 19.9674

Protanomaly

15.8593, 15.8952, 20.3214

Deuteranomaly

16.3605, 16.0031, 19.9959

Tritanomaly

16.1812, 15.9314, 19.0519

Monochromacy



Original Color

16.3936, 15.8645, 19.9674

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7407, 16.0345, 18.4850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3936, 15.8645, 19.9674 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, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 120)  
}
```

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, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.3936, 15.8645, 19.9674 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, 107, 120) }
```


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

```
.border{ border-color:rgb(120, 107, 120) }
```

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

Here you see how a box with a 4 pixel rgb(120, 107, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 107,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3936, 15.8645, 19.9674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 120) }
```

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

```
.background{ background-color: rgb(120,  
107, 120) }
```

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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