

Converting Colors

XYZ(18.7478, 16.1032, 13.6759)

Have a look what the booklet for
XYZ(18.7478, 16.1032, 13.6759)
contains.

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Color

**XYZ(18.6991, 16.0086,
13.6597)**

Conversions

Conversions Part 1

Format	Color
Hex	936362
RGB	147, 99, 98
RGB Percent	58%, 39%, 38%
CMY	0.4235, 0.6117, 0.6157
CMYK	0.00, 0.33, 0.33, 0.42
HSL	1°, 20%, 48%
HSV	1°, 33%, 58%
XYZ	18.6991, 16.0086, 13.6597
YIQ	113.2380, 28.9290, 9.8650

Conversions

Conversions Part 2

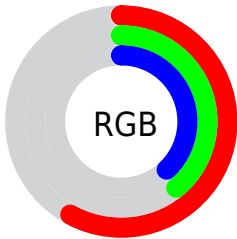
Format	Color
R_{YB}	147, 99, 98
Decimal	9659234
CIE _{Lab}	46.99, 19.31, 8.48
CIE _{LCh}	47, 21.090, 23.696
Yxy	16.0086, 0.3866, 0.3310
Android (android.graphics.Color)	4287849314 (0xFF936362)
YUV	113.2380, -7.5123, 29.6093
Hunter-Lab	40.0107, 13.4035, 7.7659

Details

The XYZ color **18.6991, 16.0086, 13.6597** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5820, 25.2601, 31.3948**, and the grayscale version is **15.7827, 16.6046, 18.0824**.

A 20% lighter version of the original color is **40.6883, 36.5392, 33.3420**, and **6.5671, 5.1368, 3.8942** is the 20% darker color. If you saturate the color by 10%, you get **16.8231, 13.2672, 9.9188**, and if you desaturate by 10%, it is **20.9467, 19.2890, 18.1538**.

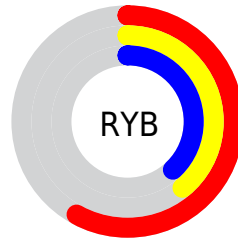
Distribution



Red (58%)

Green (39%)

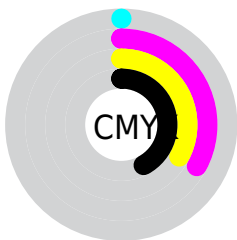
Blue (38%)



Red (58%)

Yellow (39%)

Blue (38%)

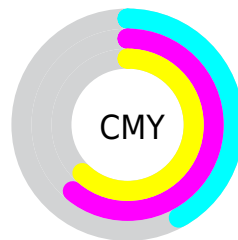


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (42%)



Cyan (42%)

Magenta (61%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6991, 16.0086, 13.6597 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 18.6991, 16.0086, 13.6597 by changing the saturation by 10% instead.

■ 18.6991, 16.0086,
13.6597

■ 18.6991, 16.0086,
13.6597

237.7527,
229.3925, 226.4577

■ 11.5558, 9.5302,
7.7483

■ 40.7458, 36.6131,
33.1924

■ 6.5120, 5.0886,
3.8489

■ 56.3800, 51.5081,
47.6508

■ 3.2024, 2.2994,
1.5428

■ 75.5751, 69.9774,
65.7952

■ 1.2617, 0.7734,
0.2495

■ 98.6965, 92.4054,
88.0443

■ 0.1543, 0.0000,
0.0000

126.1096,
119.1765, 114.8166

■ 0.0000, 0.0000,
0.0000

158.1798,

150.6751, 146.5305

195.2724,
187.2856, 183.6047

■ 18.6991, 16.0086,
13.6597

■ 18.6991, 16.0086,
13.6597

■ 16.8231, 13.2672,
9.9188

■ 20.9467, 19.2890,
18.1538

■ 15.2975, 11.0339,
6.8890

■ 23.5830, 23.1326,
23.4380

■ 14.1010, 9.2781,
4.5255


■ 26.6257, 27.5650,
29.5482


■ 13.2093, 7.9651,
2.7782


■ 30.0909, 32.6095,
36.5175


■ 12.5949, 7.0554,
1.5897


■ 33.9940, 38.2880,
44.3775


 12.2253, 6.5025,
0.8922

 38.3494, 44.6216,
53.1581

 12.0653, 6.2684,
0.5740

 43.1710, 51.6302,
62.8875

 48.4721, 59.3329,
73.5933

 54.2654, 67.7482,
85.3013

Harmonies

Analogous

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



19.0193, 16.0086, 18.5697



18.6991, 16.0086, 13.6597



17.4132, 16.0086, 10.4607

Triad

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



18.6991, 16.0086, 13.6597



12.5333, 16.0086, 12.0829



14.8296, 16.0086, 29.5982

Complementary

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



18.6991, 16.0086, 13.6597



20.5820, 25.2601, 31.3948

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.



13.2113, 16.0086, 26.9622



18.6991, 16.0086, 13.6597



11.9563, 16.0086, 16.3391

Square

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



18.6991, 16.0086, 13.6597



13.8347, 16.0086, 9.6872



12.1942, 16.0086, 21.8386



16.6857, 16.0086, 28.4814

Rectangle

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



18.6991, 16.0086, 13.6597



16.2330, 16.0086, 9.3877



12.1942, 16.0086, 21.8386



14.2418, 16.0086, 29.1071

Sweetspot

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



18.6995, 16.0094, 13.6600



43.8582, 43.7942, 45.2343



21.6030, 17.0196, 29.4156



9.8584, 9.7737, 10.0180



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.6995, 16.0094, 13.6600



30.9108, 24.9047, 19.3222



21.3597, 21.3297, 14.5467



5.8098, 5.8333, 6.0602



10.4623, 5.4389, 0.4984



0.1299, 0.0704, 0.0067

Inverse Universe

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



20.5820, 25.2601, 31.3948



34.8139, 44.0906, 56.1100



17.2243, 18.5449, 30.2755



5.9540, 6.5421, 7.4187



13.2131, 19.1210, 26.9253



0.1643, 0.2392, 0.3304

Previews

White Background



This preview shows how the XYZ color 18.6991, 16.0086, 13.6597 looks on a white background.

Color Contrast Check

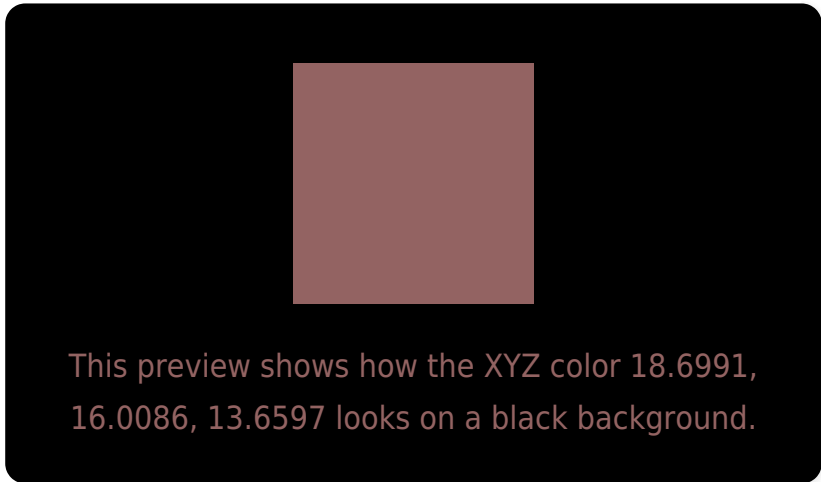
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.6991, 16.0086, 13.6597

Background



This preview shows how black text looks on a background with the XYZ color 18.6991, 16.0086, 13.6597.



This preview shows how white text looks on a background with the XYZ color 18.6991, 16.0086,

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

18.6991, 16.0086, 13.6597

Protanopia

15.2534, 16.0132, 15.3836

Deuteranopia

16.3760, 16.1588, 13.3222



Tritanopia

19.1302, 16.0512, 15.4545

Trichromacy



Original Color

18.6991, 16.0086, 13.6597

Protanomaly

16.4084, 15.9867, 14.7913

Deuteranomaly

17.2009, 16.1171, 13.5136

Tritanomaly

18.9787, 15.9906, 14.6566

Monochromacy



Original Color

18.6991, 16.0086, 13.6597

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.5268, 16.1678, 16.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6991, 16.0086, 13.6597 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(147, 99, 98)` looks like.

```
.text, #text, p{  
    color:rgb(147, 99, 98)  
}
```

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(147, 99, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 99, 98) }
```

Border

The CSS property to change the border of an element to XYZ 18.6991, 16.0086, 13.6597 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(147, 99, 98) }
```


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

```
.border{ border-color:rgb(147, 99, 98) }
```

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

Here you see how a box with a 4 pixel rgb(147, 99, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 99, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 99, 98);  
box-shadow:4px 4px 4px 4px rgb(147, 99,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6991, 16.0086, 13.6597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 99, 98) }
```

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

```
.background{ background-color: rgb(147, 99,  
98) }
```

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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