

Converting Colors

XYZ(16.7287, 15.8020, 22.4183)

Have a look what the booklet for
XYZ(16.7287, 15.8020, 22.4183)
contains.

XYZ(16.7960, 15.8597, 22.5980)	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(16.7960, 15.8597,
22.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	786A80
RGB	120, 106, 128
RGB Percent	47%, 42%, 50%
CMY	0.5294, 0.5843, 0.4980
CMYK	0.06, 0.17, 0.00, 0.50
HSL	278°, 9%, 46%
HSV	278°, 17%, 50%
XYZ	16.7960, 15.8597, 22.5980
YIQ	112.6940, 1.2820, 9.8100

Conversions

Conversions Part 2

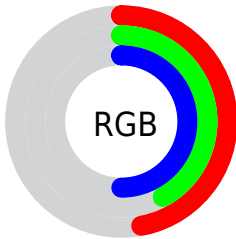
Format	Color
R_{YB}	120, 106, 128
Decimal	7891584
CIE _{Lab}	46.79, 9.94, -10.15
CIE _{LCh}	47, 14.207, 314.375
Yxy	15.8597, 0.3040, 0.2870
Android (android.graphics.Color)	4286081664 (0xFF786A80)
YUV	112.6940, 7.5459, 6.4074
Hunter-Lab	39.8242, 5.5905, -5.7667

Details

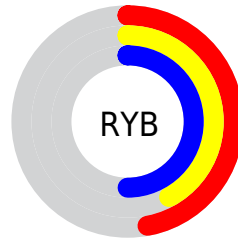
The XYZ color **16.7960, 15.8597, 22.5980** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2608, 20.0568, 16.5982**, and the grayscale version is **15.5840, 16.3956, 17.8548**.

A 20% lighter version of the original color is **37.4107, 36.2208, 48.7356**, and **5.5738, 5.0320, 8.0746** is the 20% darker color. If you saturate the color by 10%, you get **14.9443, 13.0912, 22.1615**, and if you desaturate by 10%, it is **18.8770, 19.0395, 23.1023**.

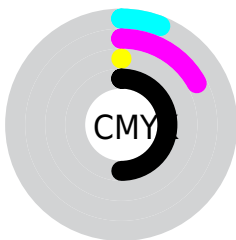
Distribution



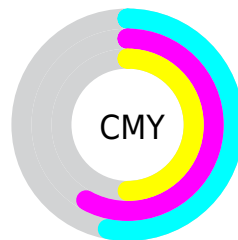
- Red (47%)
- Green (42%)
- Blue (50%)



- Red (47%)
- Yellow (42%)
- Blue (50%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (58%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7960, 15.8597, 22.5980 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 16.7960, 15.8597, 22.5980 by changing the saturation by 10% instead.

■ 16.7960, 15.8597,
22.5980

■ 16.7960, 15.8597,
22.5980

227.1733,
228.5124, 278.7082

■ 10.1836, 9.4249,
14.0945

■ 37.5211, 36.3545,
48.6472

■ 5.5840, 5.0194,
8.0469

■ 52.3644, 51.1832,
67.0299

■ 2.6321, 2.2586,
4.0368

■ 70.6821, 69.5788,
89.5428

■ 0.9623, 0.7517,
1.6455

■ 92.8395, 91.9256,
116.6043

■ 0.0000, 0.0000,
0.3230

119.2020,
118.6079, 148.6331

■ 0.0000, 0.0000,
0.0000

150.1349,

150.0103, 186.0476

186.0035,
186.5170, 229.2665

■ 16.7960, 15.8597,
22.5980

■ 16.7960, 15.8597,
22.5980

■ 14.9443, 13.0912,
22.1615

■ 18.8770, 19.0395,
23.1023

■ 13.3112, 10.7145,
21.7888

■ 21.1945, 22.6452,
23.6762

■ 11.8875, 8.7112,
21.4772

■ 23.7569, 26.6930,
24.3224

■ 10.6626, 7.0609,
21.2232

■ 26.5721, 31.1978,
25.0435

■ 9.6248, 5.7409,
21.0231

■ 29.6473, 36.1737,
25.8419

■ 8.7612, 4.7261,
20.8727

■ 32.9897, 41.6341,
26.7197

■ 8.0569, 3.9874,
20.7673

■ 36.6060, 47.5920,
27.6791

■ 7.4815, 3.4648,
20.6967

■ 40.5027, 54.0599,
28.7221

■ 7.3282, 3.3277,
20.6783

■ 44.6860, 61.0497,
29.8508

Harmonies

Analogous

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



15.6712, 15.8597, 24.7268



16.7960, 15.8597, 22.5980



17.4778, 15.8597, 19.1651

Triad

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



16.7960, 15.8597, 22.5980



15.7226, 15.8597, 11.5139



12.8896, 15.8597, 19.0119

Complementary

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



16.7960, 15.8597, 22.5980



17.2608, 20.0568, 16.5982

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.



12.9017, 15.8597, 15.5014



16.7960, 15.8597, 22.5980



14.4925, 15.8597, 11.4846

Square

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



16.7960, 15.8597, 22.5980



16.8354, 15.8597, 12.9370



13.4742, 15.8597, 12.8507



13.4403, 15.8597, 22.4727

Rectangle

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



16.7960, 15.8597, 22.5980



17.5671, 15.8597, 16.7551



13.4742, 15.8597, 12.8507



12.8290, 15.8597, 17.7923

Sweetspot

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



16.7965, 15.8604, 22.5983



34.0456, 34.7734, 40.8738



15.8657, 16.6731, 22.8043



7.9164, 8.0569, 9.5562



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7965, 15.8604, 22.5983



28.1226, 25.7423, 39.4428



17.7625, 16.3804, 21.6502



4.3512, 4.3366, 5.4210



7.2679, 3.3005, 20.5039



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0940, 16.1130, 18.1298



28.7857, 26.2986, 29.7851



16.4204, 19.6056, 17.3688



4.3874, 4.3681, 4.8445



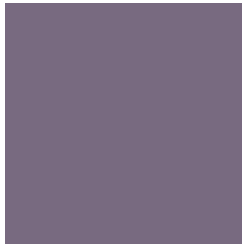
9.3275, 4.7507, 3.0485



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7960, 15.8597, 22.5980 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 16.7960, 15.8597, 22.5980 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 16.7960, 15.8597, 22.5980

Background



This preview shows how black text looks on a background with the XYZ color 16.7960, 15.8597, 22.5980.



This preview shows how white text looks on a background with the XYZ color 16.7960, 15.8597,

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

16.7960, 15.8597, 22.5980

Protanopia

15.7361, 15.9164, 23.7155

Deuteranopia

16.1983, 15.8610, 22.6298



Tritanopia

15.9862, 15.8376, 18.7374

Trichromacy



Original Color

16.7960, 15.8597, 22.5980

Protanomaly

16.1800, 15.9937, 23.3534

Deuteranomaly

16.3564, 15.7869, 22.6072

Tritanomaly

16.2556, 15.7934, 19.9610

Monochromacy



Original Color

16.7960, 15.8597, 22.5980

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0484, 16.1729, 19.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7960, 15.8597, 22.5980 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, 106, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 128)  
}
```

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, 106, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.7960, 15.8597, 22.5980 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, 106, 128) }
```


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

```
.border{ border-color:rgb(120, 106, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 128);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7960, 15.8597, 22.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 128) }
```

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

```
.background{ background-color: rgb(120,  
106, 128) }
```

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