

Converting Colors

XYZ(16.6999, 17.7440, 20.7992)

Have a look what the booklet for
XYZ(16.6999, 17.7440, 20.7992)
contains.

XYZ(16.8013, 17.8727, 20.9766)	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(16.8013, 17.8727,
20.9766)**

Conversions

Conversions Part 1

Format	Color
Hex	71767A
RGB	113, 118, 122
RGB Percent	44%, 46%, 48%
CMY	0.5569, 0.5372, 0.5216
CMYK	0.07, 0.03, 0.00, 0.52
HSL	207°, 4%, 46%
HSV	207°, 7%, 48%
XYZ	16.8013, 17.8727, 20.9766
YIQ	116.9610, -4.2640, 0.1840

Conversions

Conversions Part 2

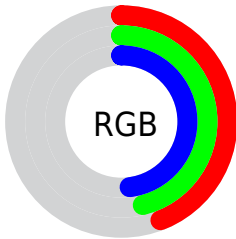
Format	Color
R_{YB}	113, 116, 122
Decimal	7435898
CIE Lab	49.34, -1.03, -2.85
CIE LCh	49, 3.034, 250.103
Yxy	17.8727, 0.3019, 0.3212
Android (android.graphics.Color)	4285625978 (0xFF71767A)
YUV	116.9610, 2.4842, -3.4738
Hunter-Lab	42.2761, -3.0440, 0.1747

Details

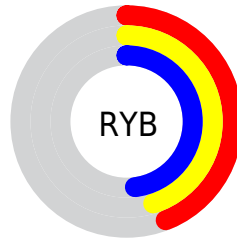
The XYZ color **16.8013, 17.8727, 20.9766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3680, 18.0522, 18.1920**, and the grayscale version is **16.8903, 17.7699, 19.3515**.

A 20% lighter version of the original color is **37.5318, 39.8048, 45.7494**, and **5.5727, 5.9852, 7.1649** is the 20% darker color. If you saturate the color by 10%, you get **14.7162, 15.8779, 20.7017**, and if you desaturate by 10%, it is **19.1352, 20.0512, 21.2744**.

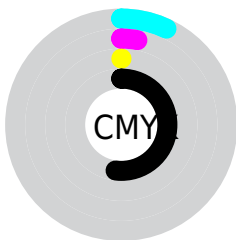
Distribution



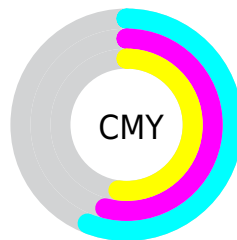
- Red (44%)
- Green (46%)
- Blue (48%)



- Red (44%)
- Yellow (45%)
- Blue (48%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (52%)



- Cyan (56%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8013, 17.8727, 20.9766 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 16.8013, 17.8727, 20.9766 by changing the saturation by 10% instead.

■ 16.8013, 17.8727,
20.9766

■ 16.8013, 17.8727,
20.9766

227.2033,
240.1525, 269.9311

■ 10.1873, 10.8586,
12.9158

■ 37.5301, 39.8203,
45.9289

■ 5.5866, 5.9719,
7.2406

■ 52.3758, 55.5226,
63.6574

■ 2.6336, 2.8280,
3.5323

■ 70.6960, 74.8898,
85.4457

■ 0.9631, 1.0426,
1.3724

■ 92.8561, 98.3062,
111.7122

■ 0.0000, 0.0000,
0.1201

119.2216,
126.1563, 142.8754

■ 0.0000, 0.0000,
0.0000

150.1577,

158.8245, 179.3539

186.0298,
196.6951, 221.5663

■ 16.8013, 17.8727,
20.9766

■ 16.8013, 17.8727,
20.9766

■ 14.7162, 15.8779,
20.7017

■ 19.1352, 20.0512,
21.2744

■ 12.8693, 14.0589,
20.4480

■ 21.7247, 22.4163,
21.5944

■ 11.2516, 12.4107,
20.2151

■ 24.5785, 24.9739,
21.9376

■ 9.8529, 10.9270,
20.0025

■ 27.7043, 27.7287,
22.3046

■ 8.6621, 9.6013,
19.8093

■ 31.1094, 30.6854,
22.6959

■ 7.6671, 8.4261,
19.6349

■ 34.8010, 33.8484,
23.1118

■ 6.8545, 7.3935,
19.4784

■ 38.7858, 37.2220,
23.5530

■ 6.2087, 6.4945,
19.3390

■ 43.0704, 40.8105,
24.0198

■ 5.6951, 5.7101,
19.2146

■ 47.6613, 44.6178,
24.5127

Harmonies

Analogous

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



16.5710, 17.8727, 20.4909



16.8013, 17.8727, 20.9766



17.0840, 17.8727, 21.0497

Triad

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



16.8013, 17.8727, 20.9766



17.5337, 17.8727, 19.1858



16.6363, 17.8727, 18.2823

Complementary

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



16.8013, 17.8727, 20.9766



17.3680, 18.0522, 18.1920

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.



16.8913, 17.8727, 17.9530



16.8013, 17.8727, 20.9766



17.4109, 17.8727, 18.4649

Square

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



16.8013, 17.8727, 20.9766



17.5090, 17.8727, 20.0004



17.1750, 17.8727, 18.0190



16.4764, 17.8727, 18.9301

Rectangle

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



16.8013, 17.8727, 20.9766



17.2643, 17.8727, 20.8526



17.1750, 17.8727, 18.0190



16.7136, 17.8727, 18.1315

Sweetspot

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



16.8018, 17.8735, 20.9770



31.6913, 33.4455, 37.1782



16.9748, 18.7121, 19.5162



7.2608, 7.6609, 8.5027



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.



16.8018, 17.8735, 20.9770



28.8517, 30.7746, 36.8124



16.2954, 16.8607, 20.8082



3.9651, 4.2284, 5.0504



5.8541, 5.7906, 20.1945



27.0652, 25.9031, 96.0431

Inverse Universe

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



17.2015, 17.2561, 19.5646



29.7234, 29.4465, 33.7282



17.8930, 19.1023, 18.3670



4.0828, 4.0489, 4.6338



9.5382, 4.7914, 6.1251



45.0644, 22.6821, 26.9330

Previews

White Background



This preview shows how the XYZ color 16.8013, 17.8727, 20.9766 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 16.8013, 17.8727, 20.9766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

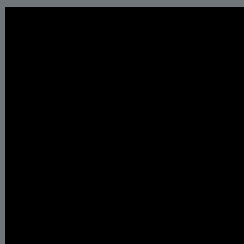
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

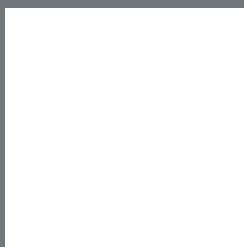
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8013, 17.8727, 20.9766

Background



This preview shows how black text looks on a background with the XYZ color 16.8013, 17.8727, 20.9766.



This preview shows how white text looks on a background with the XYZ color 16.8013, 17.8727,

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

16.8013, 17.8727, 20.9766

Protanopia

17.2837, 17.9546, 20.6438

Deuteranopia

18.1966, 17.9003, 21.2349



Tritanopia

17.1315, 17.8323, 22.6177

Trichromacy



Original Color

16.8013, 17.8727, 20.9766

Protanomaly

17.0149, 17.8161, 20.6312

Deuteranomaly

17.5910, 17.7565, 21.2391

Tritanomaly

17.0024, 17.7807, 21.9379

Monochromacy



Original Color

16.8013, 17.8727, 20.9766

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8935, 17.7675, 19.9918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8013, 17.8727, 20.9766 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(113, 118, 122) looks like.

```
.text, #text, p{  
    color:rgb(113, 118, 122)  
}
```

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(113, 118, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 118, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.8013, 17.8727, 20.9766 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(113, 118, 122) }
```


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

```
.border{ border-color:rgb(113, 118, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 118, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 118, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 118, 122);  
box-shadow:4px 4px 4px 4px rgb(113, 118,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8013, 17.8727, 20.9766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 118, 122) }
```

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

```
.background{ background-color: rgb(113,  
118, 122) }
```

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