

Converting Colors

XYZ(16.9470, 17.4382, 21.0153)

Have a look what the booklet for
XYZ(16.9470, 17.4382, 21.0153)
contains.

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Color

**XYZ(16.9797, 17.4485,
20.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	75737A
RGB	117, 115, 122
RGB Percent	46%, 45%, 48%
CMY	0.5412, 0.5490, 0.5216
CMYK	0.04, 0.06, 0.00, 0.52
HSL	257°, 3%, 46%
HSV	257°, 6%, 48%
XYZ	16.9797, 17.4485, 20.8853
YIQ	116.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

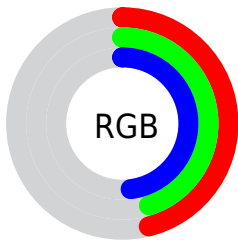
Format	Color
R_{YB}	117, 115, 122
Decimal	7697274
CIE _{Lab}	48.82, 2.20, -3.58
CIE _{LCh}	49, 4.207, 301.582
Yxy	17.4485, 0.3070, 0.3154
Android (android.graphics.Color)	4285887354 (0xFF75737A)
YUV	116.3960, 2.7628, 0.5297
Hunter-Lab	41.7714, -0.5413, -0.4044

Details

The XYZ color **16.9797, 17.4485, 20.8853** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8004, 19.1504, 18.9787**, and the grayscale version is **16.7145, 17.5849, 19.1500**.

A 20% lighter version of the original color is **37.8209, 39.1284, 45.6036**, and **5.6640, 5.7606, 7.1167** is the 20% darker color. If you saturate the color by 10%, you get **14.5626, 14.2725, 20.3999**, and if you desaturate by 10%, it is **19.6911, 21.0505, 21.4379**.

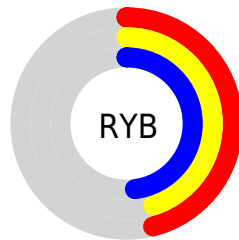
Distribution



Red (46%)

Green (45%)

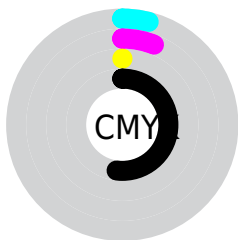
Blue (48%)



Red (46%)

Yellow (45%)

Blue (48%)

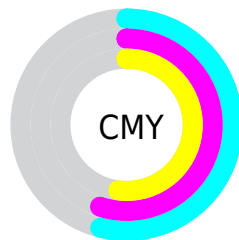


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9797, 17.4485, 20.8853 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 16.9797, 17.4485, 20.8853 by changing the saturation by 10% instead.

■ 16.9797, 17.4485,
20.8853

■ 16.9797, 17.4485,
20.8853

228.2139,
237.7439, 269.4293

■ 10.3152, 10.5548,
12.8498

■ 37.8347, 39.0953,
45.7749

■ 5.6723, 5.7683,
7.1957

■ 52.7560, 54.6172,
63.4660

■ 2.6856, 2.7047,
3.5045

■ 71.1603, 73.7839,
85.2127

■ 0.9898, 0.9796,
1.3576

■ 93.4129, 96.9798,
111.4336

■ 0.0000, 0.0000,
0.1083

119.8792,
124.5894, 142.5471

■ 0.0000, 0.0000,
0.0000

150.9246,

156.9970, 178.9719

186.9144,
194.5870, 221.1264

■ 16.9797, 17.4485,
20.8853

■ 16.9797, 17.4485,
20.8853

■ 14.5626, 14.2725,
20.3999

■ 19.6911, 21.0505,
21.4379

■ 12.4280, 11.5043,
19.9781

■ 22.7048, 25.0914,
22.0590

■ 10.5658, 9.1279,
19.6176

■ 26.0305, 29.5860,
22.7513

■ 8.9644, 7.1252,
19.3154

■ 29.6771, 34.5482,
23.5169

■ 7.6117, 5.4766,
19.0685

■ 33.6529, 39.9909,
24.3579

■ 6.4942, 4.1608,
18.8734

■ 37.9661, 45.9267,
25.2763

■ 5.5973, 3.1540,
18.7264

■ 42.6245, 52.3677,
26.2740

■ 4.9044, 2.4294,
18.6230

■ 47.6356, 59.3255,
27.3529

■ 4.3892, 1.9407,
18.5559

■ 53.0069, 66.8114,
28.5147

Harmonies

Analogous

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



16.6050, 17.4485, 21.2247



16.9797, 17.4485, 20.8853



17.2519, 17.4485, 20.0378

Triad

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



16.9797, 17.4485, 20.8853



16.9433, 17.4485, 17.1734



15.8467, 17.4485, 19.0578

Complementary

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



16.9797, 17.4485, 20.8853



17.8004, 19.1504, 18.9787

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.



15.9341, 17.4485, 17.9957



16.9797, 17.4485, 20.8853



16.5636, 17.4485, 16.9336

Square

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



16.9797, 17.4485, 20.8853



17.2306, 17.4485, 17.8969



16.1950, 17.4485, 17.2288



15.9543, 17.4485, 20.1443

Rectangle

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



16.9797, 17.4485, 20.8853



17.3364, 17.4485, 19.3142



16.1950, 17.4485, 17.2288



15.8542, 17.4485, 18.6861

Sweetspot

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



16.9802, 17.4492, 20.8857



31.5707, 32.9462, 37.0882



17.3021, 18.4875, 21.0691



7.2353, 7.5552, 8.4836



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.



16.9802, 17.4492, 20.8857



29.2323, 29.8521, 36.6142



17.4571, 17.6951, 20.9080



4.0043, 4.0876, 5.0211



4.4149, 1.8487, 19.5094



20.3209, 8.4378, 93.0274

Inverse Universe

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



17.5475, 17.7559, 20.2725



30.4704, 30.5215, 35.2692



17.3260, 18.9058, 18.9565



4.1761, 4.1805, 4.8344



10.2647, 5.0821, 9.9510



48.5835, 24.0897, 45.4643

Previews

White Background



This preview shows how the XYZ color 16.9797, 17.4485, 20.8853 looks on a white background.

Color Contrast Check

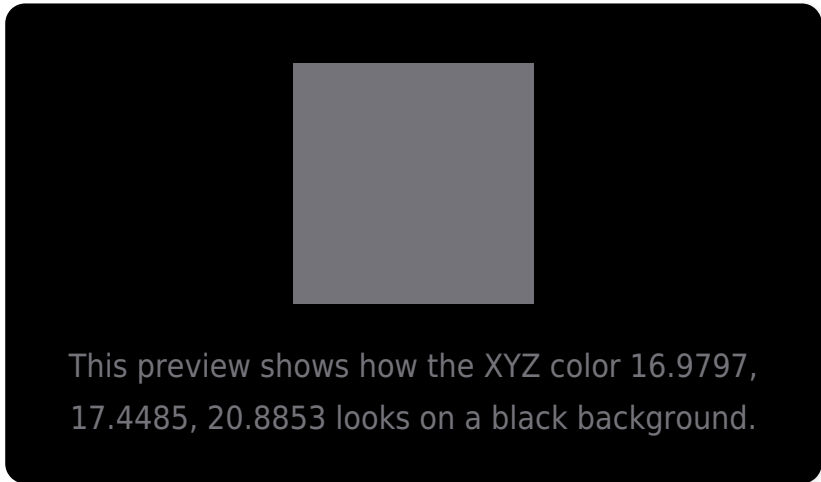
Large Text (above 18pt) WCAG AA ✓ Pass

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

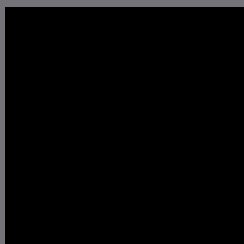
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

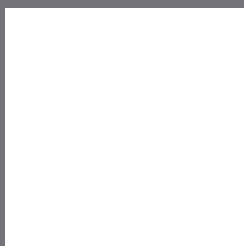
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9797, 17.4485, 20.8853

Background



This preview shows how black text looks on a background with the XYZ color 16.9797, 17.4485, 20.8853.



This preview shows how white text looks on a background with the XYZ color 16.9797, 17.4485,

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

16.9797, 17.4485, 20.8853

Protanopia

16.8460, 17.3796, 20.8791

Deuteranopia

17.7302, 17.5005, 20.8558



Tritanopia

17.1049, 17.4986, 21.5448

Trichromacy

**Original Color**

16.9797, 17.4485, 20.8853

Protanomaly

16.8460, 17.3796, 20.8791

Deuteranomaly

17.4153, 17.5047, 20.8732

Tritanomaly

17.0420, 17.4734, 21.2134

Monochromacy

**Original Color**

16.9797, 17.4485, 20.8853

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7179, 17.5118, 19.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9797, 17.4485, 20.8853 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(117, 115, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 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(117, 115, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.9797, 17.4485, 20.8853 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(117, 115, 122) }
```


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

```
.border{ border-color:rgb(117, 115, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9797, 17.4485, 20.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 122) }
```

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

```
.background{ background-color: rgb(117,  
115, 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](#).

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