

Converting Colors

XYZ(17.7815, 18.7741, 28.1483)

Have a look what the booklet for
XYZ(17.7815, 18.7741, 28.1483)
contains.

XYZ(17.7833, 18.7535, 28.2737)	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(17.7833, 18.7535,
28.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	6B798E
RGB	107, 121, 142
RGB Percent	42%, 47%, 56%
CMY	0.5804, 0.5255, 0.4431
CMYK	0.25, 0.15, 0.00, 0.44
HSL	216°, 14%, 49%
HSV	216°, 25%, 56%
XYZ	17.7833, 18.7535, 28.2737
YIQ	119.2080, -15.0850, 3.5630

Conversions

Conversions Part 2

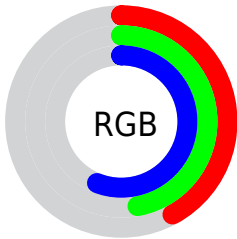
Format	Color
R _{YB}	107, 117, 142
Decimal	7043470
CIE Lab	50.40, -0.22, -13.12
CIE LCh	50, 13.119, 269.033
Yxy	18.7535, 0.2744, 0.2894
Android (android.graphics.Color)	4285233550 (0xFF6B798E)
YUV	119.2080, 11.2365, -10.7064
Hunter-Lab	43.3053, -2.4834, -8.3963

Details

The XYZ color **17.7833, 18.7535, 28.2737** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.5287, 22.2510, 17.0708**, and the grayscale version is **17.5698, 18.4848, 20.1300**.

A 20% lighter version of the original color is **39.2055, 41.2436, 58.1190**, and **6.1179, 6.4676, 11.0511** is the 20% darker color. If you saturate the color by 10%, you get **15.2243, 15.9650, 27.8706**, and if you desaturate by 10%, it is **20.7153, 21.8710, 28.7212**.

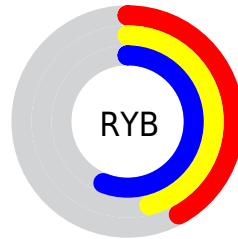
Distribution



Red (42%)

Green (47%)

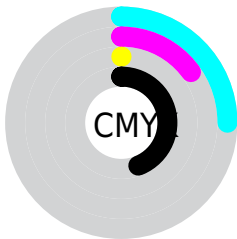
Blue (56%)



Red (42%)

Yellow (46%)

Blue (56%)

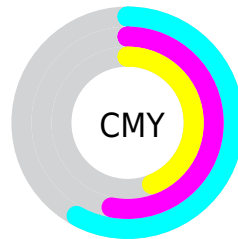


Cyan (25%)

Magenta (15%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (53%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7833, 18.7535, 28.2737 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 17.7833, 18.7535, 28.2737 by changing the saturation by 10% instead.

■ 17.7833, 18.7535,
28.2737

■ 17.7833, 18.7535,
28.2737

232.7160,
245.0845, 307.7254

■ 10.8933, 11.4923,
18.2912

■ 39.2007, 41.3172,
57.9495

■ 6.0619, 6.3990,
10.9877

■ 54.4588, 57.3884,
78.4799

■ 2.9238, 3.0892,
5.9445

■ 73.2369, 77.1651,
103.3633

■ 1.1136, 1.1785,
2.7431

■ 95.9005, 101.0317,
133.0184

■ 0.0364, 0.0440,
0.9650

122.8148,
129.3725, 167.8636

■ 0.0000, 0.0000,
0.0000

154.3453,

162.5720, 208.3175

190.8573,
201.0146, 254.7986

■ 17.7833, 18.7535,
28.2737

■ 17.7833, 18.7535,
28.2737

■ 15.2243, 15.9650,
27.8706

■ 20.7153, 21.8710,
28.7212

■ 13.0205, 13.4914,
27.5093

■ 24.0336, 25.3264,
29.2133

■ 11.1554, 11.3209,
27.1887

■ 27.7529, 29.1308,
29.7516

■ 9.6099, 9.4402,
26.9071

■ 31.8866, 33.2944,
30.3374

■ 8.3633, 7.8344,
26.6629

■ 36.4475, 37.8268,
30.9718

■ 7.3919, 6.4871,
26.4540

■ 41.4478, 42.7372,
31.6561

■ 6.6659, 5.3785,
26.2783

■ 46.8992, 48.0346,
32.3913

■ 6.3359, 4.8598,
26.1956

■ 52.8128, 53.7274,
33.1784

■ 59.1997, 59.8241,
34.0185

Harmonies

Analogous

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



16.5929, 18.7535, 27.0499



17.7833, 18.7535, 28.2737



19.0409, 18.7535, 27.1931

Triad

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



17.7833, 18.7535, 28.2737



20.0549, 18.7535, 17.1983



15.8043, 18.7535, 17.0159

Complementary

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



17.7833, 18.7535, 28.2737



21.5287, 22.2510, 17.0708

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.



16.6613, 18.7535, 14.8757



17.7833, 18.7535, 28.2737



19.1159, 18.7535, 14.9719

Square

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



17.7833, 18.7535, 28.2737



20.3896, 18.7535, 20.5381



17.8660, 18.7535, 14.1737



15.4843, 18.7535, 20.3011

Rectangle

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



17.7833, 18.7535, 28.2737



19.7404, 18.7535, 25.3765



17.8660, 18.7535, 14.1737



16.0370, 18.7535, 16.1539

Sweetspot

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



17.7839, 18.7543, 28.2741



40.8532, 43.0807, 51.2901



19.5949, 24.0154, 23.8245



9.0603, 9.5555, 11.4463



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.7839, 18.7543, 28.2741



28.5851, 30.0631, 49.4240



16.5608, 15.7787, 27.7642



5.2956, 5.5869, 6.8280



5.7058, 4.3976, 23.5252



0.0751, 0.0832, 0.2318

Inverse Universe

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



19.8647, 17.6473, 20.4492



33.0083, 27.9352, 32.7404



22.9886, 25.9041, 17.6989



5.4927, 5.4576, 6.0924



10.6831, 5.4303, 3.9827



0.1125, 0.0561, 0.0928

Previews

White Background



This preview shows how the XYZ color 17.7833, 18.7535, 28.2737 looks on a white 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

Black Background



This preview shows how the XYZ color 17.7833, 18.7535, 28.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

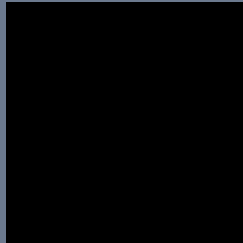
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

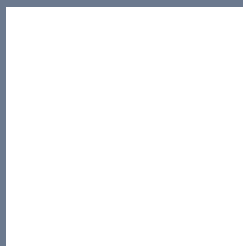
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7833, 18.7535, 28.2737

Background



This preview shows how black text looks on a background with the XYZ color 17.7833, 18.7535, 28.2737.



This preview shows how white text looks on a background with the XYZ color 17.7833, 18.7535,

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

17.7833, 18.7535, 28.2737

Protanopia

18.5329, 18.8001, 27.4629

Deuteranopia

19.0649, 18.6988, 28.5910



Tritanopia

17.0735, 18.8351, 24.5655

Trichromacy



Original Color

17.7833, 18.7535, 28.2737

Protanomaly

18.3342, 18.8667, 27.8746

Deuteranomaly

18.5066, 18.5849, 28.5984

Tritanomaly

17.3473, 18.7608, 25.9994

Monochromacy



Original Color

17.7833, 18.7535, 28.2737

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6175, 18.6101, 22.7422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7833, 18.7535, 28.2737 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(107, 121, 142)` looks like.

```
.text, #text, p{  
    color:rgb(107, 121, 142)  
}
```

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(107, 121, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 121, 142) }
```

Border

The CSS property to change the border of an element to XYZ 17.7833, 18.7535, 28.2737 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(107, 121, 142) }
```


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

```
.border{ border-color:rgb(107, 121, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 121, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 121, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 121, 142); box-shadow:4px 4px 4px 4px rgb(107, 121, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7833, 18.7535, 28.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 121, 142) }
```

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

```
.background{ background-color: rgb(107,  
121, 142) }
```

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