

Converting Colors

XYZ(17.6557, 18.6415, 21.2507)

Have a look what the booklet for
XYZ(17.6557, 18.6415, 21.2507)
contains.

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Color

**XYZ(17.7628, 18.7146,
21.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	76787B
RGB	118, 120, 123
RGB Percent	46%, 47%, 48%
CMY	0.5373, 0.5294, 0.5176
CMYK	0.04, 0.02, 0.00, 0.52
HSL	216°, 2%, 47%
HSV	216°, 4%, 48%
XYZ	17.7628, 18.7146, 21.4150
YIQ	119.7440, -2.1550, 0.5090

Conversions

Conversions Part 2

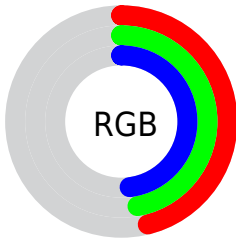
Format	Color
R_{YB}	118, 119, 123
Decimal	7764091
CIE Lab	50.35, -0.13, -1.91
CIE LCh	50, 1.915, 266.008
Yxy	18.7146, 0.3068, 0.3233
Android (android.graphics.Color)	4285954171 (0xFF76787B)
YUV	119.7440, 1.6052, -1.5295
Hunter-Lab	43.2604, -2.4132, 0.9322

Details

The XYZ color **17.7628, 18.7146, 21.4150** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2757, 19.1933, 19.8811**, and the grayscale version is **17.7669, 18.6921, 20.3557**.

A 20% lighter version of the original color is **39.0680, 41.1462, 46.4404**, and **6.0792, 6.4312, 7.3995** is the 20% darker color. If you saturate the color by 10%, you get **15.3474, 16.2038, 21.0580**, and if you desaturate by 10%, it is **20.4654, 21.4759, 21.8058**.

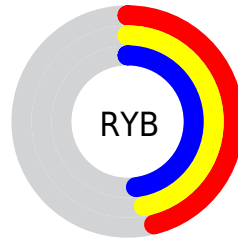
Distribution



Red (46%)

Green (47%)

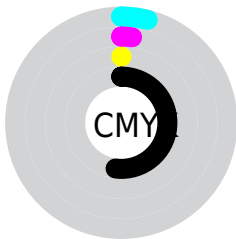
Blue (48%)



Red (46%)

Yellow (47%)

Blue (48%)

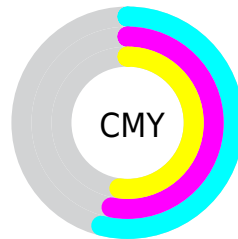


Cyan (4%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7628, 18.7146, 21.4150 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 17.7628, 18.7146, 21.4150 by changing the saturation by 10% instead.

■ 17.7628, 18.7146,
21.4150

■ 17.7628, 18.7146,
21.4150

232.6022,
244.8686, 272.3290

■ 10.8785, 11.4642,
13.2335

■ 39.1660, 41.2513,
46.6669

■ 6.0519, 6.3800,
7.4569

■ 54.4156, 57.3064,
64.5744

■ 2.9176, 3.0775,
3.6667

■ 73.1843, 77.0652,
86.5610

■ 1.1103, 1.1723,
1.4443

95.8375, 100.9121,
113.0452

■ 0.0337, 0.0389,
0.1759

122.7405,
129.2315, 144.4455

■ 0.0000, 0.0000,
0.0000

154.2587,

162.4078, 181.1806

190.7575,
200.8254, 223.6689

■ 17.7628, 18.7146,
21.4150

■ 17.7628, 18.7146,
21.4150

■ 15.3474, 16.2038,
21.0580

■ 20.4654, 21.4759,
21.8058

■ 13.2078, 13.9337,
20.7326

■ 23.4630, 24.4924,
22.2301

■ 11.3339, 11.8974,
20.4383

■ 26.7651, 27.7715,
22.6890

■ 9.7146, 10.0867,
20.1741

■ 30.3802, 31.3198,
23.1833

■ 8.3379, 8.4928,
19.9390

■ 34.3165, 35.1435,
23.7139

■ 7.1907, 7.1063,
19.7319

■ 38.5821, 39.2486,
24.2815

■ 6.2586, 5.9172,
19.5515

■ 43.1844, 43.6410,
24.8867

■ 5.5253, 4.9139,
19.3965

■ 48.1308, 48.3263,
25.5303

■ 4.9692, 4.0825,
19.2653

■ 53.4285, 53.3100,
26.2131

Harmonies

Analogous

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



17.5886, 18.7146, 21.2373



17.7628, 18.7146, 21.4150



17.9448, 18.7146, 21.3106

Triad

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



17.7628, 18.7146, 21.4150



18.1107, 18.7146, 19.9316



17.4931, 18.7146, 19.8102

Complementary

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



17.7628, 18.7146, 21.4150



18.2757, 19.1933, 19.8811

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.



17.6314, 18.7146, 19.4711



17.7628, 18.7146, 21.4150



17.9882, 18.7146, 19.5403

Square

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



17.7628, 18.7146, 21.4150



18.1465, 18.7146, 20.4483



17.8126, 18.7146, 19.3731



17.4336, 18.7146, 20.3059

Rectangle

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



17.7628, 18.7146, 21.4150



18.0460, 18.7146, 21.0961



17.8126, 18.7146, 19.3731



17.5318, 18.7146, 19.6745

Sweetspot

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



17.7633, 18.7154, 21.4154



33.2255, 34.9695, 38.5552



18.0005, 19.3962, 20.8577



7.8333, 8.2443, 9.0815



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



17.7633, 18.7154, 21.4154



31.3278, 33.0176, 38.2785



17.5817, 18.2678, 21.3386



4.1292, 4.3523, 5.0656



4.8412, 3.7647, 19.8568



22.3073, 16.3872, 94.4571

Inverse Universe

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



18.0374, 18.5241, 20.3952



31.9430, 32.5929, 35.9867



18.4621, 19.6545, 19.9603



4.2156, 4.2929, 4.7439



9.0269, 4.5869, 3.4327



42.6628, 21.7215, 14.2865

Previews

White Background



This preview shows how the XYZ color 17.7628, 18.7146, 21.4150 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 17.7628, 18.7146, 21.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

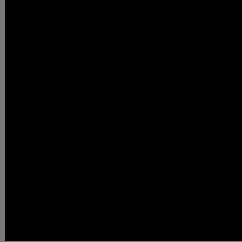
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

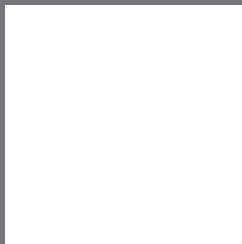
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7628, 18.7146, 21.4150

Background



This preview shows how black text looks on a background with the XYZ color 17.7628, 18.7146, 21.4150.



This preview shows how white text looks on a background with the XYZ color 17.7628, 18.7146,

21.4150.

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

17.7628, 18.7146, 21.4150

Protanopia

17.9948, 18.6637, 21.0664

Deuteranopia

18.9367, 18.6131, 21.6634



Tritanopia

18.1670, 18.7006, 23.4209

Trichromacy

**Original Color**

17.7628, 18.7146, 21.4150

Protanomaly

17.8554, 18.5919, 21.0599

Deuteranomaly

18.4568, 18.5378, 21.6742

Tritanomaly

18.0353, 18.6479, 22.7275

Monochromacy

**Original Color**

17.7628, 18.7146, 21.4150

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7754, 18.7354, 20.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7628, 18.7146, 21.4150 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(118, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 123)  
}
```

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(118, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 123) }
```

Border

The CSS property to change the border of an element to XYZ 17.7628, 18.7146, 21.4150 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(118, 120, 123) }
```


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

```
.border{ border-color:rgb(118, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7628, 18.7146, 21.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 123) }
```

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

```
.background{ background-color: rgb(118,  
120, 123) }
```

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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