

Converting Colors

XYZ(11.7781, 18.1721, 18.8064)

Have a look what the booklet for
XYZ(11.7781, 18.1721, 18.8064)
contains.

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Color

**XYZ(11.7781, 18.1721,
18.8064)**

Conversions

Conversions Part 1

Format	Color
Hex	178572
RGB	23, 133, 114
RGB Percent	9%, 52%, 45%
CMY	0.9098, 0.4784, 0.5529
CMYK	0.83, 0.00, 0.14, 0.48
HSL	170°, 71%, 31%
HSV	170°, 83%, 52%
XYZ	11.7781, 18.1721, 18.8064
YIQ	97.9440, -59.4610, -29.2290

Conversions

Conversions Part 2

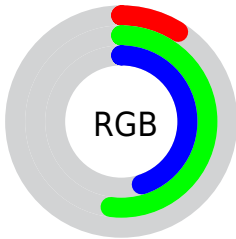
Format	Color
R_{YB}	23, 83, 133
Decimal	1541490
CIE Lab	49.70, -33.93, 1.90
CIE LCh	50, 33.984, 176.792
Yxy	18.1721, 0.2416, 0.3727
Android (android.graphics.Color)	4279731570 (0xFF178572)
YUV	97.9440, 7.9156, -65.7259
Hunter-Lab	42.6287, -25.2817, 3.6833

Details

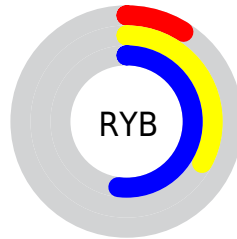
The XYZ color **11.7781, 18.1721, 18.8064** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.3977, 5.7669, 2.7562**, and the grayscale version is **11.5876, 12.1911, 13.2761**.

A 20% lighter version of the original color is **28.7731, 40.4177, 42.3613**, and **4.0007, 6.4279, 6.1841** is the 20% darker color. If you saturate the color by 10%, you get **11.4175, 18.0015, 18.1157**, and if you desaturate by 10%, it is **12.2959, 18.4242, 19.5224**.

Distribution



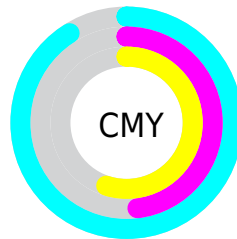
- Red (9%)
- Green (52%)
- Blue (45%)



- Red (9%)
- Yellow (33%)
- Blue (52%)



- Cyan (83%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)



- Cyan (91%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7781, 18.1721, 18.8064 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 11.7781, 18.1721, 18.8064 by changing the saturation by 10% instead.

■ 11.7781, 18.1721,
18.8064

■ 11.7781, 18.1721,
18.8064

196.7307,
241.8393, 257.7649

■ 6.6639, 11.0736,
11.3551

■ 28.7107, 40.3304,
42.2390

■ 3.2972, 6.1164,
6.1890

■ 41.2598, 56.1589,
59.0574

■ 1.3128, 2.9160,
2.8897

■ 57.0179, 75.6663,
79.8353

■ 0.1928, 1.0880,
1.0386

■ 76.3503, 99.2369,
104.9911

■ 0.0000, 0.0000,
0.0000

■ 99.6224, 127.2551,
134.9434

■ 127.1997,

160.1053, 170.1108

159.4473,
198.1719, 210.9118

■ 11.7781, 18.1721,
18.8064

■ 11.7781, 18.1721,
18.8064

■ 11.4175, 18.0015,
18.1157

■ 12.2959, 18.4242,
19.5224

■ 11.2038, 17.9020,
17.6246

■ 12.9894, 18.7660,
20.2634

■ 13.8764, 19.2072,
21.0310

■ 14.9718, 19.7554,
21.8258

■ 16.2894, 20.4178,
22.6486

■ 17.8414, 21.2007,
23.5001

■ 19.6393, 22.1099,
24.3811

■ 21.6940, 23.1511,
25.2920

■ 24.0154, 24.3294,
26.2335

Harmonies

Analogous

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



12.5746, 18.1721, 11.5483



11.7781, 18.1721, 18.8064



12.2951, 18.1721, 28.9472

Triad

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



11.7781, 18.1721, 18.8064



20.2290, 18.1721, 40.3185



20.9061, 18.1721, 8.3141

Complementary

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



11.7781, 18.1721, 18.8064



10.3977, 5.7669, 2.7562

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.



23.4381, 18.1721, 12.7962



11.7781, 18.1721, 18.8064



23.0141, 18.1721, 31.2291

Square

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



11.7781, 18.1721, 18.8064



16.9264, 18.1721, 43.4225



24.2535, 18.1721, 20.7997



17.6223, 18.1721, 6.8007

Rectangle

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



11.7781, 18.1721, 18.8064



13.3552, 18.1721, 35.8102



24.2535, 18.1721, 20.7997



21.8883, 18.1721, 9.4383

Sweetspot

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



11.7786, 18.1728, 18.8068



31.1088, 37.5405, 41.6404



9.5460, 17.3548, 3.6576



6.8203, 8.3626, 9.2787



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7786, 18.1728, 18.8068



20.0568, 32.0578, 31.4147



8.9708, 10.6429, 23.7726



4.7680, 5.2654, 5.7896



10.6740, 17.0525, 16.8007



0.0392, 0.0600, 0.0701

Inverse Universe

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



10.3977, 5.7669, 2.7562



17.5935, 9.0685, 2.1464



11.3328, 8.0583, 1.7690



4.7030, 4.7009, 5.0483



9.3629, 4.8095, 1.2176



0.0343, 0.0174, 0.0142

Previews

White Background



This preview shows how the XYZ color 11.7781, 18.1721, 18.8064 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 11.7781, 18.1721, 18.8064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

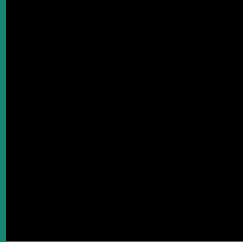
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.7781, 18.1721, 18.8064

Background



This preview shows how black text looks on a background with the XYZ color 11.7781, 18.1721, 18.8064.

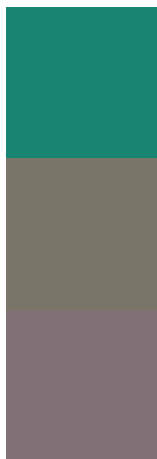


This preview shows how white text looks on a background with the XYZ color 11.7781, 18.1721,

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

11.7781, 18.1721, 18.8064

Protanopia

16.9371, 17.8801, 15.9231

Deuteranopia

18.1894, 17.9318, 19.6420



Tritanopia

13.5387, 18.0862, 27.5884

Trichromacy



Original Color

11.7781, 18.1721, 18.8064

Protanomaly

13.6275, 17.2271, 16.7943

Deuteranomaly

14.2647, 17.1328, 19.3847

Tritanomaly

12.7725, 17.9613, 24.2664

Monochromacy



Original Color

11.7781, 18.1721, 18.8064

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7817, 13.7079, 15.1743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7781, 18.1721, 18.8064 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(23, 133, 114)` looks like.

```
.text, #text, p{  
    color:rgb(23, 133, 114)  
}
```

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(23, 133, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 133, 114) }
```

Border

The CSS property to change the border of an element to XYZ 11.7781, 18.1721, 18.8064 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(23, 133, 114) }
```


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

```
.border{ border-color:rgb(23, 133, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 133, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 133, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 133, 114);  
box-shadow:4px 4px 4px 4px rgb(23, 133,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7781, 18.1721, 18.8064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 133, 114) }
```

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

```
.background{ background-color: rgb(23, 133,  
114) }
```

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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