

Converting Colors

XYZ(18.3599, 18.7365, 22.8988)

Have a look what the booklet for
XYZ(18.3599, 18.7365, 22.8988)
contains.

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Color

**XYZ(18.3783, 18.8171,
23.0855)**

Conversions

Conversions Part 1

Format	Color
Hex	797780
RGB	121, 119, 128
RGB Percent	47%, 47%, 50%
CMY	0.5255, 0.5333, 0.4980
CMYK	0.05, 0.07, 0.00, 0.50
HSL	253°, 4%, 48%
HSV	253°, 7%, 50%
XYZ	18.3783, 18.8171, 23.0855
YIQ	120.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

Format	Color
R _Y B	121, 119, 128
Decimal	7960448
CIE Lab	50.47, 2.61, -4.65
CIE LCh	50, 5.333, 299.300
Yxy	18.8171, 0.3049, 0.3122
Android (android.graphics.Color)	4286150528 (0xFF797780)
YUV	120.6240, 3.6364, 0.3298
Hunter-Lab	43.3787, -0.2874, -1.1882

Details

The XYZ color **18.3783, 18.8171, 23.0855** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.6537, 21.2063, 20.5110**, and the grayscale version is **18.0423, 18.9819, 20.6712**.

A 20% lighter version of the original color is **40.1370, 41.3463, 49.5812**, and **6.3370, 6.4487, 8.3079** is the 20% darker color. If you saturate the color by 10%, you get **15.6324, 15.2908, 22.5499**, and if you desaturate by 10%, it is **21.4745, 22.8296, 23.6971**.

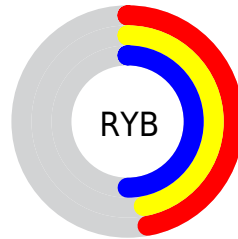
Distribution



Red (47%)

Green (47%)

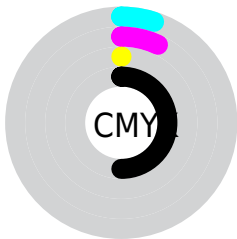
Blue (50%)



Red (47%)

Yellow (47%)

Blue (50%)

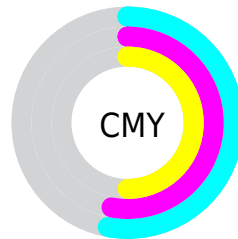


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3783, 18.8171, 23.0855 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 18.3783, 18.8171, 23.0855 by changing the saturation by 10% instead.

■ 18.3783, 18.8171,
23.0855

■ 18.3783, 18.8171,
23.0855

235.9993,
245.4372, 281.3000

■ 11.3233, 11.5382,
14.4508

■ 40.2059, 41.4248,
49.4587

■ 6.3536, 6.4301,
8.2925

■ 55.7092, 57.5224,
68.0341

■ 3.1039, 3.1083,
4.1922

■ 74.7594, 77.3284,
90.7603

■ 1.2090, 1.1885,
1.7314

97.7216, 101.2270,
118.0557

■ 0.1134, 0.0523,
0.3821

124.9614,
129.6029, 150.3388

■ 0.0000, 0.0000,
0.0000

156.8440,

162.8403, 188.0282

193.7349,
201.3236, 231.5424

■ 18.3783, 18.8171,
23.0855

■ 18.3783, 18.8171,
23.0855

■ 15.6324, 15.2908,
22.5499

■ 21.4745, 22.8296,
23.6971

■ 13.2227, 12.2299,
22.0860

■ 24.9313, 27.3435,
24.3862

■ 11.1366, 9.6153,
21.6913

■ 28.7604, 32.3762,
25.1558

■ 9.3598, 7.4259,
21.3624

■ 32.9727, 37.9436,
26.0084

■ 7.8771, 5.6389,
21.0956

■ 37.5786, 44.0608,
26.9463

■ 6.6720, 4.2292,
20.8870

■ 42.5878, 50.7425,
27.9720

■ 5.7262, 3.1688,
20.7322

■ 48.0102, 58.0026,
29.0876

■ 5.0190, 2.4258,
20.6261

■ 53.8548, 65.8548,
30.2952

■ 4.5145, 1.9384,
20.5586

■ 60.1307, 74.3121,
31.5968

Harmonies

Analogous

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



17.8729, 18.8171, 23.4837



18.3783, 18.8171, 23.0855



18.7576, 18.8171, 21.9838

Triad

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



18.3783, 18.8171, 23.0855



18.3998, 18.8171, 18.1264



16.9049, 18.8171, 20.4537

Complementary

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



18.3783, 18.8171, 23.0855



19.6537, 21.2063, 20.5110

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.



17.0400, 18.8171, 19.0628



18.3783, 18.8171, 23.0855



17.8973, 18.8171, 17.7596

Square

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



18.3783, 18.8171, 23.0855



18.7702, 18.8171, 19.1205



17.4008, 18.8171, 18.0942



17.0282, 18.8171, 21.9205

Rectangle

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



18.3783, 18.8171, 23.0855



18.8845, 18.8171, 21.0243



17.4008, 18.8171, 18.0942



16.9216, 18.8171, 19.9622

Sweetspot

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



18.3788, 18.8179, 23.0859



34.9965, 36.5428, 41.1652



18.9719, 20.4155, 23.3630



8.2120, 8.5795, 9.6415



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.3788, 18.8179, 23.0859



31.7692, 32.3716, 40.5302



19.0170, 19.1469, 23.1158



4.1913, 4.2542, 5.4135



4.3511, 1.7968, 20.3674



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2654, 19.2900, 22.4474



33.5748, 33.3332, 39.2231



19.0120, 20.8755, 20.4810



4.4586, 4.3966, 5.2193



11.0878, 5.4548, 12.3181



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3783, 18.8171, 23.0855 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 18.3783, 18.8171, 23.0855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

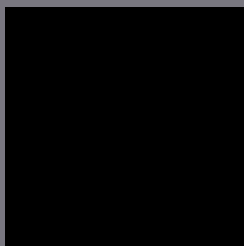
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

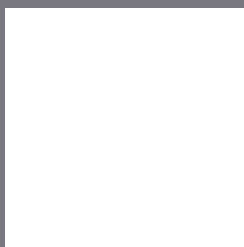
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3783, 18.8171, 23.0855

Background



This preview shows how black text looks on a background with the XYZ color 18.3783, 18.8171, 23.0855.



This preview shows how white text looks on a background with the XYZ color 18.3783, 18.8171,

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

18.3783, 18.8171, 23.0855

Protanopia

18.2388, 18.7452, 23.0790

Deuteranopia

19.1597, 18.8703, 23.0546



Tritanopia

18.3783, 18.8171, 23.0855

Trichromacy



Original Color

18.3783, 18.8171, 23.0855

Protanomaly

18.2388, 18.7452, 23.0790

Deuteranomaly

18.8322, 18.8754, 23.0728

Tritanomaly

18.3783, 18.8171, 23.0855

Monochromacy



Original Color

18.3783, 18.8171, 23.0855

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2397, 18.9531, 21.7658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3783, 18.8171, 23.0855 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(121, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(121, 119, 128)  
}
```

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(121, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 119, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.3783, 18.8171, 23.0855 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(121, 119, 128) }
```


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

```
.border{ border-color:rgb(121, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(121, 119,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3783, 18.8171, 23.0855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 119, 128) }
```

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

```
.background{ background-color: rgb(121,  
119, 128) }
```

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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