

Converting Colors

XYZ(18.9664, 20.3209, 23.0852)

Have a look what the booklet for
XYZ(18.9664, 20.3209, 23.0852)
contains.

XYZ(19.0373, 20.4471, 23.0220)	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(19.0373, 20.4471,
23.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	787E7F
RGB	120, 126, 127
RGB Percent	47%, 49%, 50%
CMY	0.5294, 0.5059, 0.5020
CMYK	0.06, 0.01, 0.00, 0.50
HSL	189°, 3%, 48%
HSV	189°, 6%, 50%
XYZ	19.0373, 20.4471, 23.0220
YIQ	124.3200, -3.8970, -0.9610

Conversions

Conversions Part 2

Format	Color
R_{YB}	120, 123, 127
Decimal	7896703
CIE Lab	52.34, -2.02, -1.32
CIE LCh	52, 2.415, 213.231
Yxy	20.4471, 0.3046, 0.3271
Android (android.graphics.Color)	4286086783 (0xFF787E7F)
YUV	124.3200, 1.3212, -3.7886
Hunter-Lab	45.2185, -3.9825, 1.4667

Details

The XYZ color **19.0373, 20.4471, 23.0220** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9799, 19.5425, 20.5412**, and the grayscale version is **19.2621, 20.2652, 22.0688**.

A 20% lighter version of the original color is **41.3716, 44.3061, 49.5514**, and **6.7015, 7.2355, 8.2511** is the 20% darker color. If you saturate the color by 10%, you get **17.1623, 19.1406, 22.8689**, and if you desaturate by 10%, it is **21.1513, 21.8842, 23.1883**.

Distribution



Red (47%)

Green (49%)

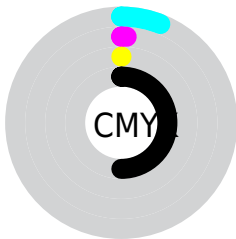
Blue (50%)



Red (47%)

Yellow (48%)

Blue (50%)

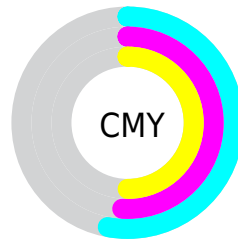


Cyan (6%)

Magenta (1%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (51%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0373, 20.4471, 23.0220 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 19.0373, 20.4471, 23.0220 by changing the saturation by 10% instead.

■ 19.0373, 20.4471,
23.0220

■ 19.0373, 20.4471,
23.0220

239.5888,
254.3254, 280.9636

■ 11.8014, 12.7205,
14.4043

■ 41.3135, 44.1655,
49.3531

■ 6.6798, 7.2363,
8.2604

■ 57.0845, 60.9261,
67.9036

■ 3.3072, 3.6103,
4.1719

■ 76.4313, 81.4668,
90.6021

■ 1.3182, 1.4581,
1.7201

99.7191, 106.1719,
117.8671

■ 0.1968, 0.2589,
0.3745

127.3135,
135.4260, 150.1172

■ 0.0000, 0.0000,
0.0000

159.5796,

169.6133, 187.7710

196.8829,
209.1183, 231.2469

■ 19.0373, 20.4471,
23.0220

■ 19.0373, 20.4471,
23.0220

■ 17.1623, 19.1406,
22.8689

■ 21.1513, 21.8842,
23.1883

■ 15.5154, 17.9572,
22.7273

■ 23.5112, 23.4538,
23.3669

■ 14.0874, 16.8929,
22.5972

■ 26.1258, 25.1609,
23.5586

■ 12.8679, 15.9422,
22.4779

■ 29.0029, 27.0097,
23.7638

■ 11.8456, 15.0992,
22.3691

■ 32.1501, 29.0040,
23.9828

■ 11.0080, 14.3575,
22.2701

■ 35.5744, 31.1476,
24.2161

■ 10.3413, 13.7099,
22.1802

■ 39.2828, 33.4441,
24.4639

■ 9.8295, 13.1481,
22.0988

■ 43.2819, 35.8968,
24.7266

■ 9.4472, 12.6591,
22.0245

■ 47.5783, 38.5093,
25.0044

Harmonies

Analogous

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



18.9611, 20.4471, 22.3407



19.0373, 20.4471, 23.0220



19.2199, 20.4471, 23.5080

Triad

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



19.0373, 20.4471, 23.0220



19.8642, 20.4471, 22.8856



19.4074, 20.4471, 20.9246

Complementary

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



19.0373, 20.4471, 23.0220



18.9799, 19.5425, 20.5412

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.



19.6504, 20.4471, 21.0635



19.0373, 20.4471, 23.0220



19.9155, 20.4471, 22.1864

Square

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



19.0373, 20.4471, 23.0220



19.6975, 20.4471, 23.4281



19.8369, 20.4471, 21.5217



19.1736, 20.4471, 21.1380

Rectangle

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



19.0373, 20.4471, 23.0220



19.3781, 20.4471, 23.6505



19.8369, 20.4471, 21.5217



19.4907, 20.4471, 20.9316

Sweetspot

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



19.0379, 20.4480, 23.0224



35.3541, 37.4815, 41.3276



18.7824, 20.5509, 21.0447



8.2899, 8.7840, 9.6769



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.



19.0379, 20.4480, 23.0224



33.5073, 36.2139, 41.1802



18.6060, 19.5842, 22.8785



4.4801, 4.8440, 5.5121



9.3672, 12.5529, 22.1792



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2352, 19.4516, 22.4805



33.9630, 33.9237, 39.9255



19.4049, 20.3925, 20.6828



4.5420, 4.5328, 5.3416



11.6051, 5.6617, 15.0420



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0373, 20.4471, 23.0220 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 19.0373, 20.4471, 23.0220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

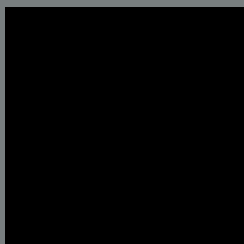
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

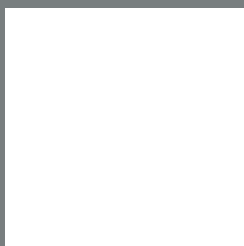
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0373, 20.4471, 23.0220

Background



This preview shows how black text looks on a background with the XYZ color 19.0373, 20.4471, 23.0220.



This preview shows how white text looks on a background with the XYZ color 19.0373, 20.4471,

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

19.0373, 20.4471, 23.0220

Protanopia

19.7259, 20.4337, 22.6431

Deuteranopia

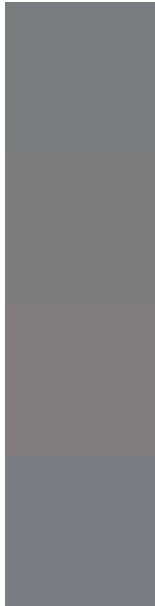
20.7253, 20.3842, 23.2643



Tritanopia

19.5919, 20.4814, 25.8424

Trichromacy



Original Color

19.0373, 20.4471, 23.0220

Protanomaly

19.4117, 20.4587, 22.6645

Deuteranomaly

20.1852, 20.4703, 23.3094

Tritanomaly

19.3836, 20.3981, 24.7454

Monochromacy



Original Color

19.0373, 20.4471, 23.0220

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2037, 20.3589, 22.3195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0373, 20.4471, 23.0220 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(120, 126, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 126, 127)  
}
```

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(120, 126, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 126, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.0373, 20.4471, 23.0220 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(120, 126, 127) }
```


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

```
.border{ border-color:rgb(120, 126, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 126, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 126, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 126, 127);  
box-shadow:4px 4px 4px 4px rgb(120, 126,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0373, 20.4471, 23.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 126, 127) }
```

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

```
.background{ background-color: rgb(120,  
126, 127) }
```

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