

Converting Colors

XYZ(19.0223, 19.3286, 21.4768)

Have a look what the booklet for
XYZ(19.0223, 19.3286, 21.4768)
contains.

XYZ(19.0440, 19.3750, 21.4749)	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(19.0440, 19.3750,
21.4749)**

Conversions

Conversions Part 1

Format	Color
Hex	7F787B
RGB	127, 120, 123
RGB Percent	50%, 47%, 48%
CMY	0.5020, 0.5294, 0.5176
CMYK	0.00, 0.06, 0.03, 0.50
HSL	334°, 3%, 48%
HSV	334°, 6%, 50%
XYZ	19.0440, 19.3750, 21.4749
YIQ	122.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

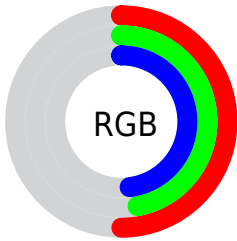
Format	Color
R_{YB}	127, 120, 123
Decimal	8353915
CIE Lab	51.12, 3.26, -0.69
CIE LCh	51, 3.327, 348.057
Yxy	19.3750, 0.3180, 0.3235
Android (android.graphics.Color)	4286543995 (0xFF7F787B)
YUV	122.4350, 0.2785, 4.0035
Hunter-Lab	44.0170, 0.1983, 1.8857

Details

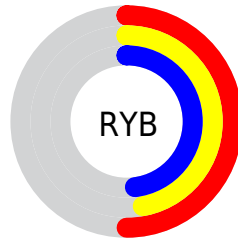
The XYZ color **19.0440, 19.3750, 21.4749** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9739, 20.6275, 22.0513**, and the grayscale version is **18.6398, 19.6105, 21.3558**.

A 20% lighter version of the original color is **41.3128, 42.3035, 46.5454**, and **6.6953, 6.7488, 7.4283** is the 20% darker color. If you saturate the color by 10%, you get **17.1792, 16.3457, 18.6938**, and if you desaturate by 10%, it is **21.1462, 22.8247, 24.5019**.

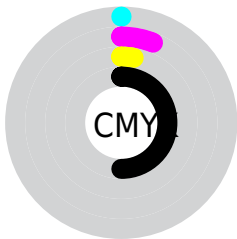
Distribution



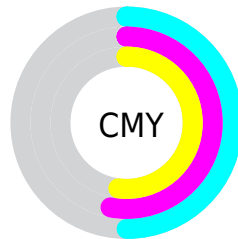
- Red (50%)
- Green (47%)
- Blue (48%)



- Red (50%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0440, 19.3750, 21.4749 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 19.0440, 19.3750, 21.4749 by changing the saturation by 10% instead.

■ 19.0440, 19.3750,
21.4749

■ 19.0440, 19.3750,
21.4749

239.6250,
248.5112, 272.6551

■ 11.8063, 11.9416,
13.2770

■ 41.3247, 42.3668,
46.7676

■ 6.6832, 6.7039,
7.4866

■ 57.0984, 58.6940,
64.6994

■ 3.3093, 3.2776,
3.6852

■ 76.4482, 78.7545,
86.7129

■ 1.3194, 1.2783,
1.4543

99.7393, 102.9327,
113.2267

■ 0.1976, 0.1243,
0.1835

127.3372,
131.6131, 144.6593

■ 0.0000, 0.0000,
0.0000

159.6073,

165.1801, 181.4292

196.9147,
204.0180, 223.9550

■ 19.0440, 19.3750,
21.4749

■ 19.0440, 19.3750,
21.4749

■ 17.1792, 16.3457,
18.6938

■ 21.1462, 22.8247,
24.5019

■ 15.5415, 13.7181,
16.1510

■ 23.4924, 26.7074,
27.7797

■ 14.1224, 11.4760,
13.8399

■ 26.0908, 31.0386,
31.3148

■ 12.9118, 9.6008,
11.7536

■ 28.9490, 35.8319,
35.1128

■ 11.8994, 8.0727,
9.8845

■ 32.0739, 41.1007,
39.1794

■ 11.0734, 6.8698,
8.2246

■ 35.4726, 46.8575,
43.5199

■ 10.4209, 5.9677,
6.7652

■ 39.1515, 53.1146,
48.1395

■ 9.9274, 5.3386,
5.4969

■ 43.1170, 59.8837,
53.0433

■ 9.5697, 4.9380,
4.4073

■ 47.3752, 67.1762,
58.2363

Harmonies

Analogous

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



18.8920, 19.3750, 22.3359



19.0440, 19.3750, 21.4749



19.0261, 19.3750, 20.5371

Triad

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



19.0440, 19.3750, 21.4749



18.2191, 19.3750, 19.4129



17.9939, 19.3750, 22.4787

Complementary

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



19.0440, 19.3750, 21.4749



18.9739, 20.6275, 22.0513

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.



17.8179, 19.3750, 21.6651



19.0440, 19.3750, 21.4749



17.9468, 19.3750, 19.9030

Square

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



19.0440, 19.3750, 21.4749



18.5472, 19.3750, 19.3654



17.8007, 19.3750, 20.7217



18.2842, 19.3750, 22.9269

Rectangle

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



19.0440, 19.3750, 21.4749



18.9202, 19.3750, 19.9941



17.8007, 19.3750, 20.7217



17.9196, 19.3750, 22.2378

Sweetspot

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



19.0446, 19.3758, 21.4753



35.3584, 36.7493, 40.2831



18.8553, 19.2487, 22.8005



8.2908, 8.6245, 9.4494



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.



19.0446, 19.3758, 21.4753



33.5217, 33.7472, 37.6017



18.9159, 19.4144, 20.5206



4.4820, 4.5088, 5.0257



9.5076, 4.8227, 3.9967



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0446, 19.3758, 21.4753



33.5217, 33.7472, 37.6017



19.1063, 20.5843, 23.0451



4.4820, 4.5088, 5.0257



9.5076, 4.8227, 3.9967



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0440, 19.3750, 21.4749 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 19.0440, 19.3750, 21.4749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

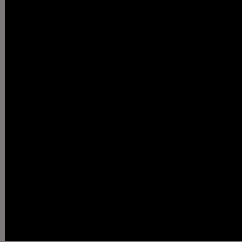
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0440, 19.3750, 21.4749

Background



This preview shows how black text looks on a background with the XYZ color 19.0440, 19.3750, 21.4749.



This preview shows how white text looks on a background with the XYZ color 19.0440, 19.3750,

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

19.0440, 19.3750, 21.4749

Protanopia

18.6438, 19.3409, 21.8193

Deuteranopia

19.7265, 19.3735, 21.4386



Tritanopia

19.4614, 19.3678, 23.4815

Trichromacy



Original Color

19.0440, 19.3750, 21.4749

Protanomaly

18.7876, 19.4151, 21.8260

Deuteranomaly

19.5320, 19.4490, 21.4635

Tritanomaly

19.3297, 19.3152, 22.7881

Monochromacy



Original Color

19.0440, 19.3750, 21.4749

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6624, 19.3650, 21.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0440, 19.3750, 21.4749 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(127, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 120, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.0440, 19.3750, 21.4749 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(127, 120, 123) }
```


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

```
.border{ border-color:rgb(127, 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(127, 120, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 120,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0440, 19.3750, 21.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 120, 123) }
```

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

```
.background{ background-color: rgb(127,  
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](#).

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