

Converting Colors

XYZ(18.8438, 19.4405, 23.0092)

Have a look what the booklet for
XYZ(18.8438, 19.4405, 23.0092)
contains.

XYZ(18.9020, 19.4442, 23.1789)	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(18.9020, 19.4442,
23.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7980
RGB	123, 121, 128
RGB Percent	48%, 47%, 50%
CMY	0.5176, 0.5255, 0.4980
CMYK	0.04, 0.05, 0.00, 0.50
HSL	257°, 3%, 49%
HSV	257°, 5%, 50%
XYZ	18.9020, 19.4442, 23.1789
YIQ	122.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

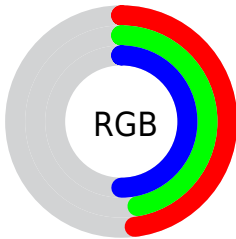
Format	Color
R_{YB}	123, 121, 128
Decimal	8092032
CIE Lab	51.20, 2.18, -3.55
CIE LCh	51, 4.169, 301.566
Yxy	19.4442, 0.3072, 0.3160
Android (android.graphics.Color)	4286282112 (0xFF7B7980)
YUV	122.3960, 2.7628, 0.5297
Hunter-Lab	44.0956, -0.6515, -0.2990

Details

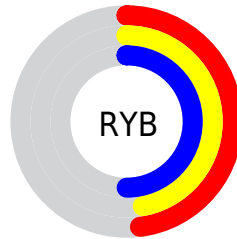
The XYZ color **18.9020, 19.4442, 23.1789** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7753, 21.2549, 21.1505**, and the grayscale version is **18.6201, 19.5898, 21.3333**.

A 20% lighter version of the original color is **40.9633, 42.3373, 49.7290**, and **6.6179, 6.7854, 8.3581** is the 20% darker color. If you saturate the color by 10%, you get **16.2009, 15.8942, 22.6363**, and if you desaturate by 10%, it is **21.9329, 23.4717, 23.7968**.

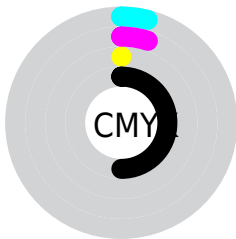
Distribution



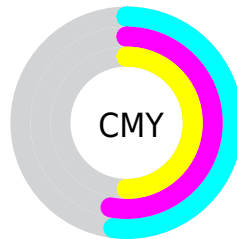
- Red (48%)
- Green (47%)
- Blue (50%)



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



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9020, 19.4442, 23.1789 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 18.9020, 19.4442, 23.1789 by changing the saturation by 10% instead.

■ 18.9020, 19.4442,
23.1789

■ 18.9020, 19.4442,
23.1789

238.8557,
248.8901, 281.7942

■ 11.7031, 11.9917,
14.5191

■ 41.0866, 42.4834,
49.6138

■ 6.6126, 6.7380,
8.3397

■ 56.8030, 58.8388,
68.2261

■ 3.2652, 3.2988,
4.2222

■ 76.0892, 78.9306,
90.9928

■ 1.2955, 1.2896,
1.7480

99.3106, 103.1433,
118.3327

■ 0.1798, 0.1332,
0.3933

126.8327,
131.8612, 150.6643

■ 0.0000, 0.0000,
0.0000

159.0206,

165.4687, 188.4060

196.2399,
204.3502, 231.9765

■ 18.9020, 19.4442,
23.1789

■ 18.9020, 19.4442,
23.1789

■ 16.2009, 15.8942,
22.6363

■ 21.9329, 23.4717,
23.7968

■ 13.8165, 12.8014,
22.1650

■ 25.3028, 27.9912,
24.4916

■ 11.7373, 10.1476,
21.7624

■ 29.0225, 33.0194,
25.2661

■ 9.9505, 7.9125,
21.4252

■ 33.1018, 38.5719,
26.1228

■ 8.4421, 6.0741,
21.1498

■ 37.5504, 44.6631,
27.0641

■ 7.1972, 4.6085,
20.9325

■ 42.3772, 51.3073,
28.0921

■ 6.1993, 3.4888,
20.7690

■ 47.5911, 58.5179,
29.2091

■ 5.4297, 2.6848,
20.6544

■ 53.2006, 66.3081,
30.4171

■ 4.8614, 2.1495,
20.5810

■ 59.2140, 74.6906,
31.7182

Harmonies

Analogous

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



18.5029, 19.4442, 23.5390



18.9020, 19.4442, 23.1789



19.1917, 19.4442, 22.2783

Triad

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



18.9020, 19.4442, 23.1789



18.8637, 19.4442, 19.2247



17.6949, 19.4442, 21.2339

Complementary

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



18.9020, 19.4442, 23.1789



19.7753, 21.2549, 21.1505

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.



17.7883, 19.4442, 20.1018



18.9020, 19.4442, 23.1789



18.4593, 19.4442, 18.9682

Square

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



18.9020, 19.4442, 23.1789



19.1694, 19.4442, 19.9975



18.0666, 19.4442, 19.2833



17.8095, 19.4442, 22.3904

Rectangle

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



18.9020, 19.4442, 23.1789



19.2818, 19.4442, 21.5084



18.0666, 19.4442, 19.2833



17.7030, 19.4442, 20.8380

Sweetspot

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



18.9026, 19.4450, 23.1793



35.0396, 36.5650, 41.1672



19.2451, 20.5500, 23.3746



8.2214, 8.5843, 9.6420



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.



18.9026, 19.4450, 23.1793



32.4345, 33.1184, 40.6393



19.4099, 19.7066, 23.2031



4.3342, 4.4234, 5.4386



4.6050, 1.9277, 20.3793



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5060, 19.7712, 22.5278



33.8141, 33.8642, 39.1410



19.2704, 20.9947, 21.1269



4.5218, 4.5247, 5.2349



10.7198, 5.3076, 10.3799



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9020, 19.4442, 23.1789 looks on a white background.

Color Contrast Check

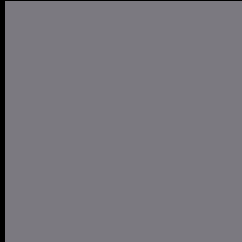
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9020, 19.4442, 23.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

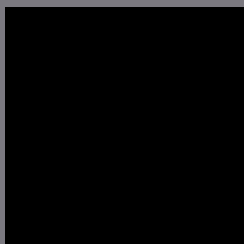
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

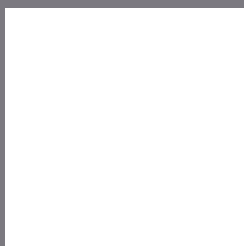
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9020, 19.4442, 23.1789

Background



This preview shows how black text looks on a background with the XYZ color 18.9020, 19.4442, 23.1789.



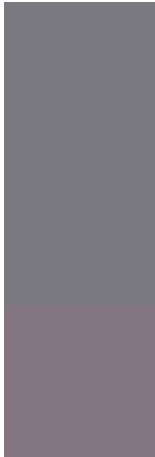
This preview shows how white text looks on a background with the XYZ color 18.9020, 19.4442,

23.1789.

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

18.9020, 19.4442, 23.1789

Protanopia

18.7597, 19.3708, 23.1723

Deuteranopia

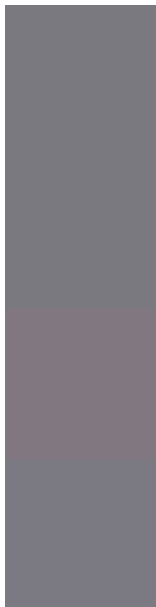
19.8010, 19.3671, 23.4635



Tritanopia

19.0350, 19.4974, 23.8792

Trichromacy



Original Color

18.9020, 19.4442, 23.1789

Protanomaly

18.7597, 19.3708, 23.1723

Deuteranomaly

19.4614, 19.3678, 23.4815

Tritanomaly

18.9682, 19.4707, 23.5274

Monochromacy



Original Color

18.9020, 19.4442, 23.1789

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6237, 19.5119, 21.8534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9020, 19.4442, 23.1789 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(123, 121, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 121, 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(123, 121, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.9020, 19.4442, 23.1789 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(123, 121, 128) }
```


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

```
.border{ border-color:rgb(123, 121, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 121, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9020, 19.4442, 23.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 121, 128) }
```

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

```
.background{ background-color: rgb(123,  
121, 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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