

Converting Colors

XYZ(18.4782, 19.3650, 20.3869)

Have a look what the booklet for
XYZ(18.4782, 19.3650, 20.3869)
contains.

XYZ(18.3959, 19.2418, 20.5138)	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(18.3959, 19.2418,
20.5138)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7978
RGB	123, 121, 120
RGB Percent	48%, 47%, 47%
CMY	0.5176, 0.5255, 0.5294
CMYK	0.00, 0.02, 0.02, 0.52
HSL	20°, 1%, 48%
HSV	20°, 2%, 48%
XYZ	18.3959, 19.2418, 20.5138
YIQ	121.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

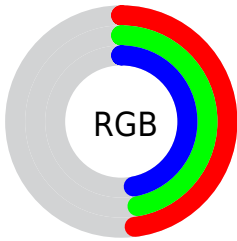
Format	Color
R_{YB}	123, 122, 120
Decimal	8092024
CIE Lab	50.97, 0.56, 0.81
CIE LCh	51, 0.985, 55.180
Yxy	19.2418, 0.3163, 0.3309
Android (android.graphics.Color)	4286282104 (0xFF7B7978)
YUV	121.4840, -0.7316, 1.3295
Hunter-Lab	43.8655, -1.9069, 2.9787

Details

The XYZ color **18.3959, 19.2418, 20.5138** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2803, 19.3418, 21.5089**, and the grayscale version is **18.3331, 19.2879, 21.0045**.

A 20% lighter version of the original color is **40.0692, 41.9797, 45.0207**, and **6.3763, 6.6888, 7.0859** is the 20% darker color. If you saturate the color by 10%, you get **16.7437, 17.0561, 16.5137**, and if you desaturate by 10%, it is **20.2296, 21.6366, 25.0480**.

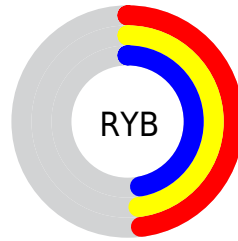
Distribution



Red (48%)

Green (47%)

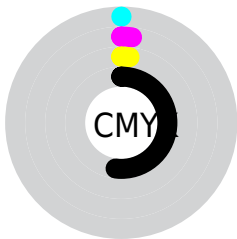
Blue (47%)



Red (48%)

Yellow (48%)

Blue (47%)

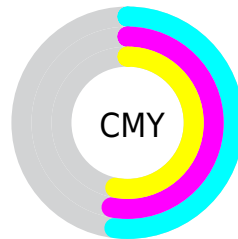


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (52%)



Cyan (52%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3959, 19.2418, 20.5138 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 18.3959, 19.2418, 20.5138 by changing the saturation by 10% instead.

■ 18.3959, 19.2418,
20.5138

■ 18.3959, 19.2418,
20.5138

236.0958,
247.7804, 267.3788

■ 11.3360, 11.8451,
12.5813

■ 40.2356, 42.1423,
45.1472

■ 6.3623, 6.6383,
7.0136

■ 55.7461, 58.4149,
62.6851

■ 3.1093, 3.2369,
3.3920

■ 74.8042, 78.4149,
84.2620

■ 1.2118, 1.2567,
1.2981

97.7752, 102.5268,
110.2963

■ 0.1157, 0.1073,
0.0602

125.0246,
131.1349, 141.2066

■ 0.0000, 0.0000,
0.0000

156.9175,

164.6236, 177.4115

193.8195,
203.3773, 219.3293

■ 18.3959, 19.2418,
20.5138

■ 18.3959, 19.2418,
20.5138

■ 16.7437, 17.0561,
16.5137

■ 20.2296, 21.6366,
25.0480

■ 15.2656, 15.0713,
13.0267

■ 22.2487, 24.2433,
30.1339

■ 13.9563, 13.2823,
10.0322

■ 24.4589, 27.0680,
35.7896

■ 12.8092, 11.6831,
7.5077

■ 26.8651, 30.1158,
42.0322

■ 11.8177, 10.2670,
5.4290

■ 29.4722, 33.3913,
48.8780

■ 10.9742, 9.0272,
3.7696

■ 32.2849, 36.8995,
56.3427

■ 10.2709, 7.9563,
2.5002

■ 35.3076, 40.6447,
64.4414

■ 9.6988, 7.0462,
1.5879

■ 38.5446, 44.6314,
73.1886

■ 9.2478, 6.2882,
0.9934

■ 42.0003, 48.8640,
82.5984

Harmonies

Analogous

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



18.4588, 19.2418, 20.7237



18.3959, 19.2418, 20.5138



18.3045, 19.2418, 20.4211

Triad

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



18.3959, 19.2418, 20.5138



18.1028, 19.2418, 20.9060



18.3686, 19.2418, 21.4402

Complementary

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



18.3959, 19.2418, 20.5138



18.2803, 19.3418, 21.5089

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.



18.2730, 19.2418, 21.4901



18.3959, 19.2418, 20.5138



18.1198, 19.2418, 21.1801

Square

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



18.3959, 19.2418, 20.5138



18.1354, 19.2418, 20.6463



18.1820, 19.2418, 21.3945



18.4429, 19.2418, 21.2588

Rectangle

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



18.3959, 19.2418, 20.5138



18.2398, 19.2418, 20.4377



18.1820, 19.2418, 21.3945



18.3378, 19.2418, 21.4730

Sweetspot

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



18.3964, 19.2426, 20.5142



33.3875, 35.0418, 37.8247



18.3979, 19.0493, 21.1198



7.8687, 8.2601, 8.9218



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.3964, 19.2426, 20.5142



32.7456, 34.1988, 36.2524



18.5798, 19.6094, 20.5753



4.3132, 4.4985, 4.7450



9.2695, 5.9949, 0.6686



43.5067, 27.1768, 2.9526

Inverse Universe

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



18.2803, 19.3418, 21.5089



32.4846, 34.4217, 38.4886



18.0979, 18.9770, 21.4481



4.2726, 4.5332, 5.0930



6.8066, 7.6957, 20.5120



31.6607, 35.0940, 97.5749

Previews

White Background



This preview shows how the XYZ color 18.3959, 19.2418, 20.5138 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 18.3959, 19.2418, 20.5138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

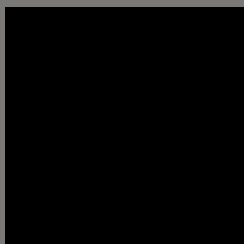
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

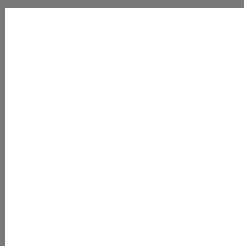
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3959, 19.2418, 20.5138

Background



This preview shows how black text looks on a background with the XYZ color 18.3959, 19.2418, 20.5138.



This preview shows how white text looks on a background with the XYZ color 18.3959, 19.2418,

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

18.3959, 19.2418, 20.5138

Protanopia

18.5397, 19.3159, 20.5205

Deuteranopia

19.4853, 19.0896, 20.7468



Tritanopia

18.9911, 19.3030, 23.4938

Trichromacy



Original Color

18.3959, 19.2418, 20.5138

Protanomaly

18.5397, 19.3159, 20.5205

Deuteranomaly

18.9829, 19.0045, 20.7569

Tritanomaly

18.7945, 19.2244, 22.4588

Monochromacy



Original Color

18.3959, 19.2418, 20.5138

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3146, 19.1928, 20.8285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3959, 19.2418, 20.5138 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(123, 121, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.3959, 19.2418, 20.5138 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, 120) }
```


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

```
.border{ border-color:rgb(123, 121, 120) }
```

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, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 120);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3959, 19.2418, 20.5138 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, 120) }
```

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

```
.background{ background-color: rgb(123,  
121, 120) }
```

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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