

Converting Colors

XYZ(18.8739, 20.0048, 20.7449)

Have a look what the booklet for
XYZ(18.8739, 20.0048, 20.7449)
contains.

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Color

**XYZ(18.9100, 20.0565,
20.6439)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7C78
RGB	124, 124, 120
RGB Percent	49%, 49%, 47%
CMY	0.5137, 0.5137, 0.5294
CMYK	0.00, 0.00, 0.03, 0.51
HSL	60°, 2%, 48%
HSV	60°, 3%, 49%
XYZ	18.9100, 20.0565, 20.6439
YIQ	123.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

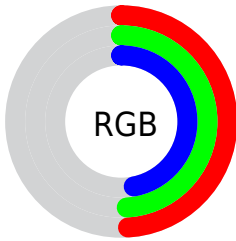
Format	Color
R_{YB}	120, 124, 120
Decimal	8158328
CIE Lab	51.90, -0.79, 2.17
CIE LCh	52, 2.312, 109.868
Yxy	20.0565, 0.3172, 0.3365
Android (android.graphics.Color)	4286348408 (0xFF7C7C78)
YUV	123.5440, -1.7472, 0.3999
Hunter-Lab	44.7845, -3.0022, 4.0188

Details

The XYZ color **18.9100, 20.0565, 20.6439** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.1011, 18.8818, 21.7604**, and the grayscale version is **19.0124, 20.0026, 21.7828**.

A 20% lighter version of the original color is **40.8762, 43.2593, 45.2252**, and **6.5874, 6.9959, 7.1340** is the 20% darker color. If you saturate the color by 10%, you get **18.2047, 19.7749, 16.9336**, and if you desaturate by 10%, it is **19.7139, 20.3789, 24.8685**.

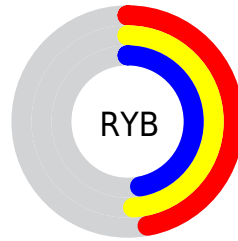
Distribution



Red (49%)

Green (49%)

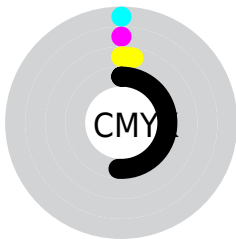
Blue (47%)



Red (47%)

Yellow (49%)

Blue (47%)



Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9100, 20.0565, 20.6439 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 18.9100, 20.0565, 20.6439 by changing the saturation by 10% instead.

■ 18.9100, 20.0565,
20.6439

■ 18.9100, 20.0565,
20.6439

238.8991,
252.2208, 268.0985

■ 11.7089, 12.4361,
12.6753

■ 41.1000, 43.5119,
45.3672

■ 6.6166, 7.0414,
7.0772

■ 56.8196, 60.1157,
62.9589

■ 3.2677, 3.4880,
3.4313

■ 76.1094, 80.4828,
84.5954

■ 1.2968, 1.3915,
1.3188

99.3348, 104.9975,
110.6953

■ 0.1809, 0.2105,
0.0771

126.8611,
134.0442, 141.6769

■ 0.0000, 0.0000,
0.0000

159.0537,

168.0075, 177.9590

196.2779,
207.2715, 219.9600

■ 18.9100, 20.0565,
20.6439

■ 18.9100, 20.0565,
20.6439

■ 18.2047, 19.7749,
16.9336

■ 19.7139, 20.3789,
24.8685

■ 17.5926, 19.5299,
13.7167

■ 20.6183, 20.7408,
29.6246

■ 17.0703, 19.3208,
10.9727

■ 21.6271, 21.1444,
34.9301

■ 16.6336, 19.1460,
8.6796

■ 22.7434, 21.5911,
40.8020

■ 16.2779, 19.0036,
6.8130

■ 23.9702, 22.0819,
47.2562

■ 15.9983, 18.8916,
5.3467

■ 25.3106, 22.6182,
54.3082

■ 15.7891, 18.8078,
4.2516

■ 26.7674, 23.2011,
61.9729

■ 15.6440, 18.7496,
3.4942

■ 28.3432, 23.8315,
70.2645

■ 15.5553, 18.7140,
3.0335

■ 30.0407, 24.5107,
79.1970

Harmonies

Analogous

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



19.1427, 20.0565, 20.5892



18.9100, 20.0565, 20.6439



18.7198, 20.0565, 21.0148

Triad

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



18.9100, 20.0565, 20.6439



18.7734, 20.0565, 22.8422



19.5112, 20.0565, 22.0665

Complementary

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



18.9100, 20.0565, 20.6439



18.1011, 18.8818, 21.7604

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.



19.4106, 20.0565, 22.6826



18.9100, 20.0565, 20.6439



18.9837, 20.0565, 23.1365

Square

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



18.9100, 20.0565, 20.6439



18.6414, 20.0565, 22.2807



19.2170, 20.0565, 23.0775



19.4911, 20.0565, 21.4014

Rectangle

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



18.9100, 20.0565, 20.6439



18.6421, 20.0565, 21.3959



19.2170, 20.0565, 23.0775



19.4904, 20.0565, 22.2864

Sweetspot

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



18.9106, 20.0574, 20.6443



33.5729, 35.4129, 37.8866



18.4195, 19.0746, 20.4805



7.9093, 8.3412, 8.9353



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.



18.9106, 20.0574, 20.6443



33.1618, 35.2484, 35.7256



18.6246, 19.9100, 20.6310



4.3834, 4.6642, 4.6909



15.7650, 19.0044, 2.8373



75.1973, 90.6510, 13.5341

Inverse Universe

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



18.1011, 18.8818, 21.7604



31.3647, 32.6386, 38.2034



18.3812, 19.0262, 21.7735



4.1210, 4.2831, 5.0527



3.6995, 1.4799, 19.4760



17.6443, 7.0580, 92.9022

Previews

White Background



This preview shows how the XYZ color 18.9100, 20.0565, 20.6439 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 18.9100, 20.0565, 20.6439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

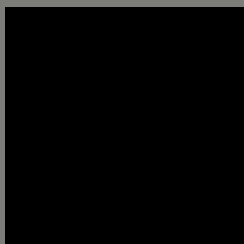
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

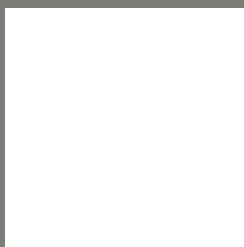
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9100, 20.0565, 20.6439

Background



This preview shows how black text looks on a background with the XYZ color 18.9100, 20.0565, 20.6439.



This preview shows how white text looks on a background with the XYZ color 18.9100, 20.0565,

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

18.9100, 20.0565, 20.6439

Protanopia

19.2255, 20.0340, 20.6230

Deuteranopia

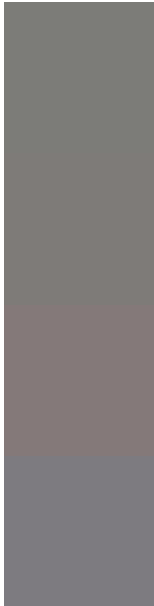
20.4842, 20.1318, 20.8953



Tritanopia

19.7286, 20.0206, 24.6544

Trichromacy



Original Color

18.9100, 20.0565, 20.6439

Protanomaly

19.0773, 19.9576, 20.6160

Deuteranomaly

19.8043, 19.9608, 20.8982

Tritanomaly

19.4367, 20.0844, 23.2743

Monochromacy



Original Color

18.9100, 20.0565, 20.6439

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0950, 20.1304, 21.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9100, 20.0565, 20.6439 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(124, 124, 120)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 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(124, 124, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.9100, 20.0565, 20.6439 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(124, 124, 120) }
```


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

```
.border{ border-color:rgb(124, 124, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 124, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 124, 120); box-shadow:4px 4px 4px 4px rgb(124, 124, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9100, 20.0565, 20.6439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 120) }
```

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

```
.background{ background-color: rgb(124,  
124, 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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