

Converting Colors

XYZ(18.8904, 19.8361, 21.8973)

Have a look what the booklet for
XYZ(18.8904, 19.8361, 21.8973)
contains.

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Color

**XYZ(18.8894, 19.8321,
21.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B7C
RGB	123, 123, 124
RGB Percent	48%, 48%, 49%
CMY	0.5176, 0.5176, 0.5137
CMYK	0.01, 0.01, 0.00, 0.51
HSL	240°, 0%, 48%
HSV	240°, 1%, 49%
XYZ	18.8894, 19.8321, 21.9012
YIQ	123.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

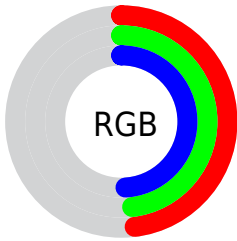
Format	Color
R_{YB}	123, 123, 124
Decimal	8092540
CIE Lab	51.65, 0.20, -0.55
CIE LCh	52, 0.587, 290.317
Yxy	19.8321, 0.3116, 0.3271
Android (android.graphics.Color)	4286282620 (0xFF7B7B7C)
YUV	123.1140, 0.4368, -0.1000
Hunter-Lab	44.5332, -2.2199, 2.0148

Details

The XYZ color **18.8894, 19.8321, 21.9012** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0950, 20.1301, 21.6182**, and the grayscale version is **18.8635, 19.8459, 21.6121**.

A 20% lighter version of the original color is **40.8456, 42.9085, 47.2037**, and **6.5428, 6.8614, 7.6361** is the 20% darker color. If you saturate the color by 10%, you get **15.7881, 16.0981, 21.3442**, and if you desaturate by 10%, it is **22.4104, 24.0715, 22.5342**.

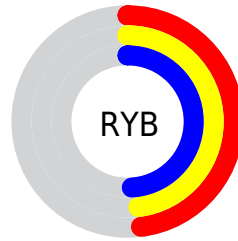
Distribution



Red (48%)

Green (48%)

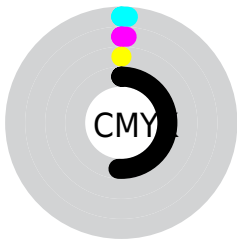
Blue (49%)



Red (48%)

Yellow (48%)

Blue (49%)

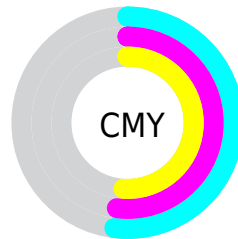


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (51%)



Cyan (52%)

Magenta (52%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8894, 19.8321, 21.9012 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 18.8894, 19.8321, 21.9012 by changing the saturation by 10% instead.

■ 18.8894, 19.8321,
21.9012

■ 18.8894, 19.8321,
21.9012

238.7874,
251.0047, 274.9665

■ 11.6939, 12.2731,
13.5867

■ 41.0654, 43.1355,
47.4827

■ 6.6063, 6.9299,
7.6983

■ 56.7767, 59.6487,
65.5869

■ 3.2613, 3.4183,
3.8175

■ 76.0573, 79.9153,
87.7913

■ 1.2934, 1.3538,
1.5258

99.2726, 104.3198,
114.5145

■ 0.1783, 0.1823,
0.2370

126.7878,
133.2467, 146.1751

■ 0.0000, 0.0000,
0.0000

158.9685,

167.0801, 183.1916

196.1799,
206.2047, 225.9826

■ 18.8894, 19.8321,
21.9012

■ 18.8894, 19.8321,
21.9012

■ 15.7881, 16.0981,
21.3442

■ 22.4104, 24.0715,
22.5342

■ 13.0893, 12.8481,
20.8591

■ 26.3643, 28.8314,
23.2446

■ 10.7770, 10.0632,
20.4435

■ 30.7655, 34.1295,
24.0352

■ 8.8335, 7.7220,
20.0940

■ 35.6276, 39.9821,
24.9086

■ 7.2398, 5.8017,
19.8074

■ 40.9634, 46.4044,
25.8670

■ 5.9750, 4.2773,
19.5798

■ 46.7851, 53.4114,
26.9127

■ 5.0163, 3.1212,
19.4072

■ 53.1047, 61.0173,
28.0477

■ 4.3378, 2.3023,
19.2849

■ 59.9337, 69.2360,
29.2741

■ 3.9091, 1.7844,
19.2075

■ 67.2832, 78.0808,
30.5940

Harmonies

Analogous

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



18.8307, 19.8321, 21.9170



18.8894, 19.8321, 21.9012



18.9376, 19.8321, 21.8028

Triad

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



18.8894, 19.8321, 21.9012



18.9227, 19.8321, 21.3437



18.7377, 19.8321, 21.5390

Complementary

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



18.8894, 19.8321, 21.9012



19.0950, 20.1301, 21.6182

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.



18.7623, 19.8321, 21.3861



18.8894, 19.8321, 21.9012



18.8690, 19.8321, 21.2738

Square

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



18.8894, 19.8321, 21.9012



18.9569, 19.8321, 21.4807



18.8103, 19.8321, 21.2893



18.7432, 19.8321, 21.7073

Rectangle

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



18.8894, 19.8321, 21.9012



18.9573, 19.8321, 21.7039



18.8103, 19.8321, 21.2893



18.7428, 19.8321, 21.4841

Sweetspot

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



18.8900, 19.8330, 21.9016



33.7135, 35.4692, 38.6260



19.0133, 20.0814, 21.9376



7.9400, 8.3535, 9.0970



60.6688, 63.8283, 69.5090

Same Dimension

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



18.8900, 19.8330, 21.9016



33.1152, 34.7489, 38.5185



18.9590, 19.8681, 21.9048



4.3938, 4.6120, 5.1018



3.7019, 1.4862, 19.4770



17.6489, 7.0705, 92.9043

Inverse Universe

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



18.9707, 19.8814, 21.5775



33.2953, 34.8568, 37.7957



19.0256, 20.0948, 21.6150



4.4149, 4.6246, 5.0171



8.4519, 4.3569, 0.4045



40.3115, 20.7809, 1.9046

Previews

White Background



This preview shows how the XYZ color 18.8894, 19.8321, 21.9012 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 18.8894, 19.8321, 21.9012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

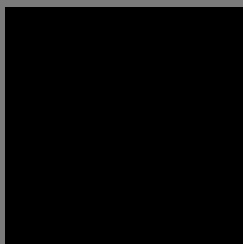
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

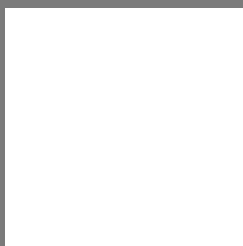
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8894, 19.8321, 21.9012

Background



This preview shows how black text looks on a background with the XYZ color 18.8894, 19.8321, 21.9012.



This preview shows how white text looks on a background with the XYZ color 18.8894, 19.8321,

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

18.8894, 19.8321, 21.9012

Protanopia

19.0551, 19.7343, 21.8736

Deuteranopia

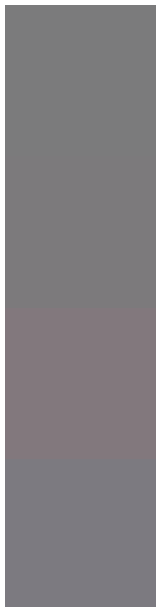
20.1300, 19.7427, 22.1518



Tritanopia

19.3684, 19.8428, 24.2820

Trichromacy



Original Color

18.8894, 19.8321, 21.9012

Protanomaly

18.9098, 19.6594, 21.8668

Deuteranomaly

19.6241, 19.6594, 22.1624

Tritanomaly

19.1680, 19.7627, 23.2264

Monochromacy



Original Color

18.8894, 19.8321, 21.9012

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8265, 19.8069, 21.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8894, 19.8321, 21.9012 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, 123, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 124)  
}
```

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, 123, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.8894, 19.8321, 21.9012 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, 123, 124) }
```

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

```
.border{ border-color:rgb(123, 123, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
124) }
```


Background

The CSS property to change the background color of an element to XYZ 18.8894, 19.8321, 21.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 124) }
```

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

```
.background{ background-color: rgb(123,  
123, 124) }
```

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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