

Converting Colors

XYZ(20.1602, 21.9219, 18.5569)

Have a look what the booklet for
XYZ(20.1602, 21.9219, 18.5569)
contains.

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Color

**XYZ(20.1132, 21.8809,
18.4926)**

Conversions

Conversions Part 1

Format	Color
Hex	828270
RGB	130, 130, 112
RGB Percent	51%, 51%, 44%
CMY	0.4902, 0.4902, 0.5608
CMYK	0.00, 0.00, 0.14, 0.49
HSL	60°, 7%, 47%
HSV	60°, 14%, 51%
XYZ	20.1132, 21.8809, 18.4926
YIQ	127.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

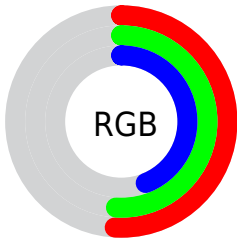
Format	Color
R_{YB}	112, 130, 112
Decimal	8553072
CIE _{Lab}	53.90, -3.34, 9.76
CIE _{LCh}	54, 10.315, 108.891
Yxy	21.8809, 0.3325, 0.3617
Android (android.graphics.Color)	4286743152 (0xFF828270)
YUV	127.9480, -7.8624, 1.7996
Hunter-Lab	46.7770, -5.1083, 9.3045

Details

The XYZ color **20.1132, 21.8809, 18.4926** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.5063, 16.6453, 23.4631**, and the grayscale version is **20.5252, 21.5942, 23.5160**.

A 20% lighter version of the original color is **43.1628, 46.6146, 41.8446**, and **7.2612, 8.0044, 6.0128** is the 20% darker color. If you saturate the color by 10%, you get **19.4410, 21.6127, 14.9516**, and if you desaturate by 10%, it is **20.8911, 22.1928, 22.5851**.

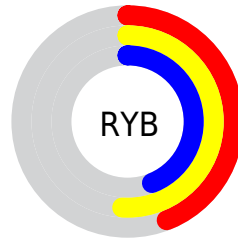
Distribution



Red (51%)

Green (51%)

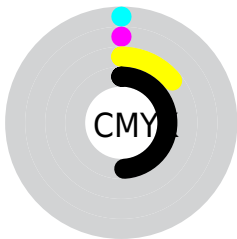
Blue (44%)



Red (44%)

Yellow (51%)

Blue (44%)

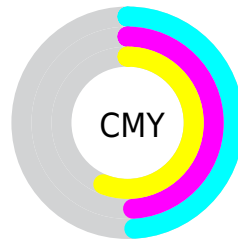


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1132, 21.8809, 18.4926 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 20.1132, 21.8809, 18.4926 by changing the saturation by 10% instead.

■ 20.1132, 21.8809,
18.4926

■ 20.1132, 21.8809,
18.4926

245.3492,
261.9237, 255.9618

■ 12.5861, 13.7694,
11.1311

■ 43.1094, 46.5491,
41.7001

■ 7.2192, 7.9605,
6.0398

■ 59.3092, 63.8745,
58.3833

■ 3.6471, 4.0697,
2.8001

■ 79.1306, 85.0401,
79.0108

■ 1.5045, 1.7126,
0.9935

■ 102.9390,
110.4302, 104.0011

■ 0.3289, 0.4318,
0.0000

131.0996,
140.4293, 133.7729

■ 0.0000, 0.0000,
0.0000

163.9780,

175.4216, 168.7445

201.9394,
215.7916, 209.3347

■ 20.1132, 21.8809,
18.4926

■ 20.1132, 21.8809,
18.4926

■ 19.4410, 21.6127,
14.9516

■ 20.8911, 22.1928,
22.5851

■ 18.8683, 21.3836,
11.9372

■ 21.7772, 22.5473,
27.2497

■ 18.3909, 21.1926,
9.4246

■ 22.7759, 22.9468,
32.5078

■ 18.0037, 21.0377,
7.3867

■ 23.8912, 23.3929,
38.3792

■ 17.7009, 20.9166,
5.7936

■ 25.1264, 23.8871,
44.8827

■ 17.4763, 20.8267,
4.6122

■ 26.4852, 24.4306,
52.0366

■ 17.3227, 20.7652,
3.8045

■ 27.9708, 25.0249,
59.8580

■ 17.2309, 20.7285,
3.3225

■ 29.5863, 25.6711,
68.3638

■ 17.1869, 20.7109,
3.0917

■ 31.3348, 26.3705,
77.5701

Harmonies

Analogous

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



21.2114, 21.8809, 18.3117



20.1132, 21.8809, 18.4926



19.2289, 21.8809, 20.0244

Triad

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



20.1132, 21.8809, 18.4926



19.4240, 21.8809, 28.7375



22.9644, 21.8809, 25.0229

Complementary

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



20.1132, 21.8809, 18.4926



16.5063, 16.6453, 23.4631

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.



22.4484, 21.8809, 28.0775



20.1132, 21.8809, 18.4926



20.3883, 21.8809, 30.3458

Square

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



20.1132, 21.8809, 18.4926



18.8409, 21.8809, 25.8606



21.4964, 21.8809, 30.0940



22.8843, 21.8809, 21.8983

Rectangle

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



20.1132, 21.8809, 18.4926



18.8674, 21.8809, 21.6886



21.4964, 21.8809, 30.0940



22.8542, 21.8809, 26.0964

Sweetspot

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



20.1138, 21.8819, 18.4931



36.7535, 39.0672, 39.5850



17.9254, 17.5045, 17.7635



8.2974, 8.8340, 8.8461



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.



20.1138, 21.8819, 18.4931



34.9804, 38.3579, 30.2510



18.7932, 21.2011, 18.4313



4.6653, 5.0194, 4.6431



16.4787, 19.8575, 2.9644



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5063, 16.6453, 23.4631



27.1921, 27.0525, 40.9810



17.7092, 17.2655, 23.5194



4.1089, 4.2117, 5.4097



3.8636, 1.5455, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.1132, 21.8809, 18.4926 looks on a white background.

Color Contrast Check

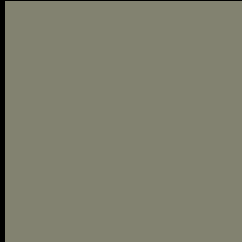
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1132, 21.8809, 18.4926 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

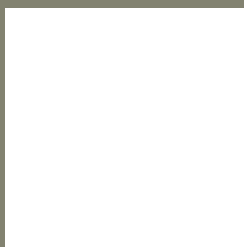
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1132, 21.8809, 18.4926

Background



This preview shows how black text looks on a background with the XYZ color 20.1132, 21.8809, 18.4926.



This preview shows how white text looks on a background with the XYZ color 20.1132, 21.8809,

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

20.1132, 21.8809, 18.4926

Protanopia

20.5801, 21.7369, 18.1499

Deuteranopia

22.2209, 21.8106, 18.6615



Tritanopia

21.7062, 21.9429, 26.3839

Trichromacy



Original Color

20.1132, 21.8809, 18.4926

Protanomaly

20.3924, 21.8348, 18.1787

Deuteranomaly

21.4260, 21.7767, 18.6968

Tritanomaly

21.0657, 21.8762, 23.1909

Monochromacy



Original Color

20.1132, 21.8809, 18.4926

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4164, 21.7728, 21.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1132, 21.8809, 18.4926 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(130, 130, 112)` looks like.

```
.text, #text, p{  
    color:rgb(130, 130, 112)  
}
```

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(130, 130, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 130, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.1132, 21.8809, 18.4926 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(130, 130, 112) }
```


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

```
.border{ border-color:rgb(130, 130, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 130, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 130, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 130, 112); box-shadow:4px 4px 4px 4px rgb(130, 130, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1132, 21.8809, 18.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 130, 112) }
```

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

```
.background{ background-color: rgb(130,  
130, 112) }
```

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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