

Converting Colors

XYZ(18.1991, 20.3200, 22.2180)

Have a look what the booklet for
XYZ(18.1991, 20.3200, 22.2180)
contains.

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Color

**XYZ(18.2309, 20.4297,
22.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	71807D
RGB	113, 128, 125
RGB Percent	44%, 50%, 49%
CMY	0.5569, 0.4980, 0.5098
CMYK	0.12, 0.00, 0.02, 0.50
HSL	168°, 6%, 47%
HSV	168°, 12%, 50%
XYZ	18.2309, 20.4297, 22.3845
YIQ	123.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

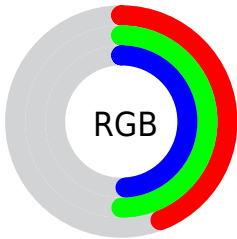
Format	Color
R_{YB}	113, 121, 128
Decimal	7438461
CIE Lab	52.32, -6.13, -0.25
CIE LCh	52, 6.132, 182.305
Yxy	20.4297, 0.2986, 0.3347
Android (android.graphics.Color)	4285628541 (0xFF71807D)
YUV	123.1730, 0.9007, -8.9217
Hunter-Lab	45.1992, -7.1015, 2.2766

Details

The XYZ color **18.2309, 20.4297, 22.3845** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9603, 17.6610, 18.9862**, and the grayscale version is **18.8833, 19.8667, 21.6348**.

A 20% lighter version of the original color is **40.0768, 44.2614, 48.5505**, and **6.2805, 7.2376, 7.9035** is the 20% darker color. If you saturate the color by 10%, you get **16.5375, 19.5759, 21.4624**, and if you desaturate by 10%, it is **20.1620, 21.4066, 23.3406**.

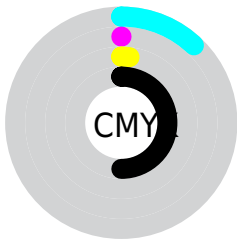
Distribution



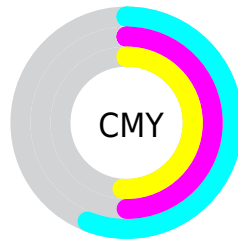
- Red (44%)
- Green (50%)
- Blue (49%)



- Red (44%)
- Yellow (47%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2309, 20.4297, 22.3845 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 18.2309, 20.4297, 22.3845 by changing the saturation by 10% instead.

■ 18.2309, 20.4297,
22.3845

■ 18.2309, 20.4297,
22.3845

235.1898,
254.2319, 277.5664

■ 11.2166, 12.7078,
13.9387

■ 39.9574, 44.1364,
48.2910

■ 6.2811, 7.2276,
7.9398

■ 55.4003, 60.8901,
66.5887

■ 3.0590, 3.6049,
3.9692

■ 74.3834, 81.4230,
89.0076

■ 1.1850, 1.4551,
1.6085

■ 97.2721, 106.1197,
115.9660

■ 0.0945, 0.2568,
0.2968

124.4317,
135.3646, 147.8825

■ 0.0000, 0.0000,
0.0000

156.2276,

169.5420, 185.1758

193.0252,
209.0363, 228.2642

■ 18.2309, 20.4297,
22.3845

■ 18.2309, 20.4297,
22.3845

■ 16.5375, 19.5759,
21.4624

■ 20.1620, 21.4066,
23.3406

■ 15.0703, 18.8378,
20.5724

■ 22.3382, 22.5089,
24.3299

■ 13.8196, 18.2107,
19.7141

■ 24.7687, 23.7417,
25.3535

■ 12.7741, 17.6889,
18.8871

■ 27.4617, 25.1094,
26.4119

■ 11.9216, 17.2662,
18.0904

■ 30.4251, 26.6159,
27.5056

■ 11.2486, 16.9355,
17.3233

■ 33.6664, 28.2652,
28.6352

■ 10.7397, 16.6890,
16.5849

■ 37.1929, 30.0610,
29.8010

■ 10.3770, 16.5174,
15.8742

■ 41.0113, 32.0068,
31.0037

■ 10.1372, 16.4061,
15.3043

■ 45.1286, 34.1062,
32.2436

Harmonies

Analogous

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



18.3635, 20.4297, 20.6688



18.2309, 20.4297, 22.3845



18.4106, 20.4297, 24.1531

Triad

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



18.2309, 20.4297, 22.3845



20.0733, 20.4297, 25.3116



19.9870, 20.4297, 19.3083

Complementary

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



18.2309, 20.4297, 22.3845



17.9603, 17.6610, 18.9862

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.



20.4612, 20.4297, 20.4391



18.2309, 20.4297, 22.3845



20.5117, 20.4297, 23.8983

Square

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



18.2309, 20.4297, 22.3845



19.4666, 20.4297, 25.8991



20.6552, 20.4297, 22.1050



19.3691, 20.4297, 18.9509

Rectangle

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



18.2309, 20.4297, 22.3845



18.6856, 20.4297, 25.1080



20.6552, 20.4297, 22.1050



20.1690, 20.4297, 19.6074

Sweetspot

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



18.2315, 20.4306, 22.3850



34.6518, 37.2605, 40.6884



17.9362, 20.3616, 18.6080



8.0586, 8.6962, 9.4999



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.



18.2315, 20.4306, 22.3850



31.2823, 35.5577, 38.9821



17.8833, 19.4227, 23.2294



4.4107, 4.8726, 5.3340



10.0517, 16.2673, 15.1772



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.9603, 17.6610, 18.9862



30.7091, 29.7011, 31.7956



18.2739, 18.5630, 18.2430



4.3602, 4.3573, 4.7015



9.0081, 4.6229, 1.3665



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2309, 20.4297, 22.3845 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 18.2309, 20.4297, 22.3845 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

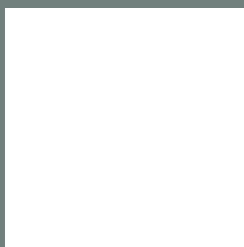
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2309, 20.4297, 22.3845

Background



This preview shows how black text looks on a background with the XYZ color 18.2309, 20.4297, 22.3845.



This preview shows how white text looks on a background with the XYZ color 18.2309, 20.4297,

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

18.2309, 20.4297, 22.3845

Protanopia

19.5352, 20.3574, 21.6386

Deuteranopia

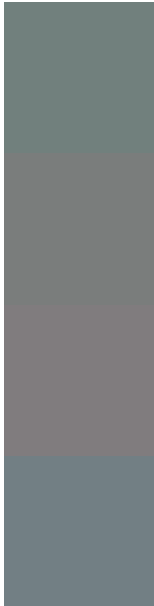
20.7566, 20.4153, 22.5852



Tritanopia

18.9750, 20.3441, 26.2193

Trichromacy



Original Color

18.2309, 20.4297, 22.3845

Protanomaly

18.9977, 20.2600, 21.9781

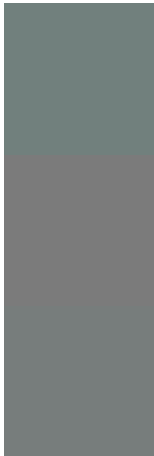
Deuteranomaly

19.8756, 20.5109, 22.6501

Tritanomaly

18.6937, 20.4221, 24.7864

Monochromacy



Original Color

18.2309, 20.4297, 22.3845

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5795, 20.0444, 21.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2309, 20.4297, 22.3845 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(113, 128, 125)` looks like.

```
.text, #text, p{  
    color:rgb(113, 128, 125)  
}
```

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(113, 128, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 128, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.2309, 20.4297, 22.3845 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(113, 128, 125) }
```


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

```
.border{ border-color:rgb(113, 128, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 128, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 128, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 128, 125);  
box-shadow:4px 4px 4px 4px rgb(113, 128,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2309, 20.4297, 22.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 128, 125) }
```

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

```
.background{ background-color: rgb(113,  
128, 125) }
```

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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