

Converting Colors

XYZ(18.4807, 18.5760, 22.8614)

Have a look what the booklet for
XYZ(18.4807, 18.5760, 22.8614)
contains.

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Color

**XYZ(18.4260, 18.4920,
23.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7580
RGB	123, 117, 128
RGB Percent	48%, 46%, 50%
CMY	0.5176, 0.5412, 0.4980
CMYK	0.04, 0.09, 0.00, 0.50
HSL	273°, 4%, 48%
HSV	273°, 9%, 50%
XYZ	18.4260, 18.4920, 23.0202
YIQ	120.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

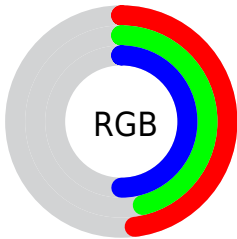
Format	Color
R_{YB}	123, 117, 128
Decimal	8091008
CIE _{Lab}	50.09, 4.52, -5.20
CIE _{LCh}	50, 6.891, 310.983
Yxy	18.4920, 0.3074, 0.3085
Android (android.graphics.Color)	4286281088 (0xFF7B7580)
YUV	120.0480, 3.9203, 2.5889
Hunter-Lab	43.0023, 1.2311, -1.6378

Details

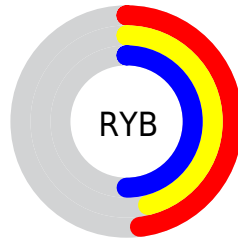
The XYZ color **18.4260, 18.4920, 23.0202** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9566, 20.8606, 19.8578**, and the grayscale version is **17.8562, 18.7861, 20.4581**.

A 20% lighter version of the original color is **40.2077, 40.8261, 49.4771**, and **6.3634, 6.2766, 8.2733** is the 20% darker color. If you saturate the color by 10%, you get **16.2279, 15.2946, 22.5192**, and if you desaturate by 10%, it is **20.8786, 22.1244, 23.5923**.

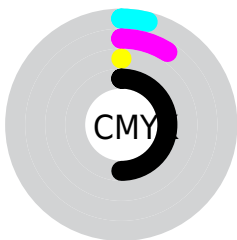
Distribution



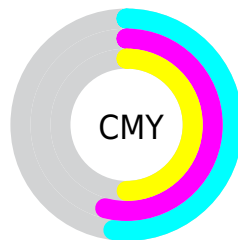
- Red (48%)
- Green (46%)
- Blue (50%)



- Red (48%)
- Yellow (46%)
- Blue (50%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)



- Cyan (52%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4260, 18.4920, 23.0202 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 18.4260, 18.4920, 23.0202 by changing the saturation by 10% instead.

■ 18.4260, 18.4920,
23.0202

■ 18.4260, 18.4920,
23.0202

236.2608,
243.6298, 280.9540

■ 11.3578, 11.3038,
14.4030

■ 40.2863, 40.8739,
49.3501

■ 6.3771, 6.2716,
8.2595

■ 55.8091, 56.8364,
67.8999

■ 3.1185, 3.0109,
4.1713

■ 74.8809, 76.4925,
90.5976

■ 1.2168, 1.1374,
1.7198

97.8669, 100.2264,
117.8618

■ 0.1195, 0.0097,
0.3742

125.1325,
128.4228, 150.1110

■ 0.0000, 0.0000,
0.0000

157.0431,

161.4658, 187.7637

193.9641,
199.7400, 231.2385

■ 18.4260, 18.4920,
23.0202

■ 18.4260, 18.4920,
23.0202

■ 16.2279, 15.2946,
22.5192

■ 20.8786, 22.1244,
23.5923

■ 14.2736, 12.5130,
22.0853

■ 23.5927, 26.2053,
24.2370

■ 12.5539, 10.1298,
21.7159

■ 26.5770, 30.7507,
24.9570

■ 11.0587, 8.1258,
21.4079

■ 29.8393, 35.7749,
25.7549

■ 9.7765, 6.4799,
21.1578

■ 33.3869, 41.2917,
26.6328

■ 8.6953, 5.1690,
20.9618

■ 37.2272, 47.3145,
27.5928

■ 7.8012, 4.1672,
20.8155

■ 41.3669, 53.8557,
28.6372

■ 7.0785, 3.4443,
20.7141

■ 45.8128, 60.9277,
29.7680

■ 6.4880, 2.9236,
20.6447

■ 50.5712, 68.5424,
30.9869

Harmonies

Analogous

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



17.8202, 18.4920, 23.9380



18.4260, 18.4920, 23.0202



18.8098, 18.4920, 21.3486

Triad

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



18.4260, 18.4920, 23.0202



17.9950, 18.4920, 16.8746



16.3534, 18.4920, 20.8387

Complementary

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



18.4260, 18.4920, 23.0202



18.9566, 20.8606, 19.8578

Split Complementary

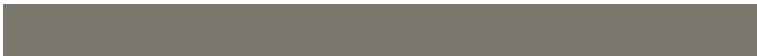
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.3975, 18.4920, 18.9676



18.4260, 18.4920, 23.0202



17.3342, 18.4920, 16.7571

Square

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



18.4260, 18.4920, 23.0202



18.5567, 18.4920, 17.8326



16.7527, 18.4920, 17.5009



16.6306, 18.4920, 22.6268

Rectangle

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



18.4260, 18.4920, 23.0202



18.8826, 18.4920, 20.0720



16.7527, 18.4920, 17.5009



16.3313, 18.4920, 20.1974

Sweetspot

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



18.4265, 18.4928, 23.0206



34.7708, 35.9944, 41.0713



18.2089, 19.2929, 23.1865



8.0664, 8.3170, 9.5985



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.



18.4265, 18.4928, 23.0206



31.7783, 31.5854, 40.3780



19.1360, 18.8613, 22.9281



4.3154, 4.3182, 5.4193



6.3567, 2.8307, 20.4613



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.7767, 18.7176, 21.0361



32.5096, 32.0547, 36.2419



18.2884, 20.5137, 19.9393



4.4027, 4.3742, 4.9251



9.5896, 4.8555, 4.4285



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.4260, 18.4920, 23.0202 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 18.4260, 18.4920, 23.0202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

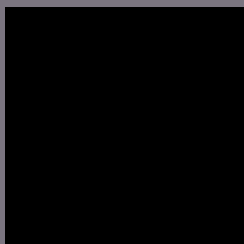
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

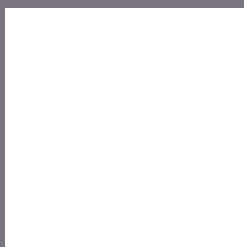
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4260, 18.4920, 23.0202

Background



This preview shows how black text looks on a background with the XYZ color 18.4260, 18.4920, 23.0202.

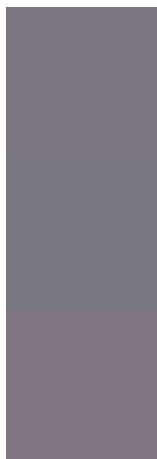


This preview shows how white text looks on a background with the XYZ color 18.4260, 18.4920,

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

18.4260, 18.4920, 23.0202

Protanopia

17.9121, 18.3934, 23.3751

Deuteranopia

18.8941, 18.5613, 23.0089



Tritanopia

18.2956, 18.4399, 22.3336

Trichromacy



Original Color

18.4260, 18.4920, 23.0202

Protanomaly

18.1866, 18.5349, 23.3879

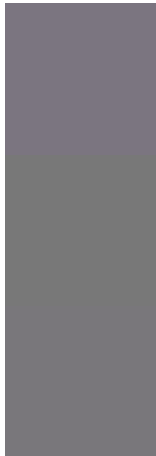
Deuteranomaly

18.7459, 18.4849, 23.0020

Tritanomaly

18.3604, 18.4658, 22.6752

Monochromacy



Original Color

18.4260, 18.4920, 23.0202

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0571, 18.6887, 21.3945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4260, 18.4920, 23.0202 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, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 128)  
}
```

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, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.4260, 18.4920, 23.0202 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, 117, 128) }
```


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

```
.border{ border-color:rgb(123, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4260, 18.4920, 23.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 128) }
```

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

```
.background{ background-color: rgb(123,  
117, 128) }
```

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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