

Converting Colors

XYZ(18.8230, 21.3417, 23.4780)

Have a look what the booklet for
XYZ(18.8230, 21.3417, 23.4780)
contains.

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Color

**XYZ(18.8226, 21.3018,
23.5417)**

Conversions

Conversions Part 1

Format	Color
Hex	718380
RGB	113, 131, 128
RGB Percent	44%, 51%, 50%
CMY	0.5569, 0.4863, 0.4980
CMYK	0.14, 0.00, 0.02, 0.49
HSL	170°, 7%, 48%
HSV	170°, 14%, 51%
XYZ	18.8226, 21.3018, 23.5417
YIQ	125.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

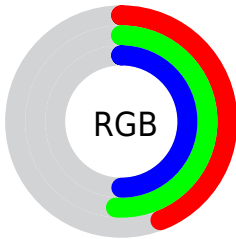
Format	Color
R_{YB}	113, 123, 131
Decimal	7439232
CIE _{Lab}	53.28, -7.17, -0.59
CIE _{LCh}	53, 7.197, 184.733
Yxy	21.3018, 0.2956, 0.3346
Android (android.graphics.Color)	4285629312 (0xFF718380)
YUV	125.2760, 1.3429, -10.7661
Hunter-Lab	46.1539, -7.9729, 2.0657

Details

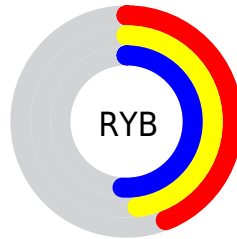
The XYZ color **18.8226, 21.3018, 23.5417** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.4183, 17.8970, 19.0076**, and the grayscale version is **19.5844, 20.6043, 22.4381**.

A 20% lighter version of the original color is **40.9980, 45.6165, 50.3601**, and **6.6085, 7.7229, 8.5395** is the 20% darker color. If you saturate the color by 10%, you get **17.1153, 20.4387, 22.7196**, and if you desaturate by 10%, it is **20.7775, 22.2934, 24.3924**.

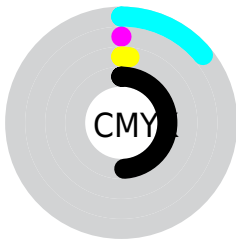
Distribution



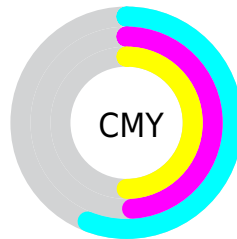
- Red (44%)
- Green (51%)
- Blue (50%)



- Red (44%)
- Yellow (48%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (49%)



- Cyan (56%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8226, 21.3018, 23.5417 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 18.8226, 21.3018, 23.5417 by changing the saturation by 10% instead.

■ 18.8226, 21.3018,
23.5417

■ 18.8226, 21.3018,
23.5417

238.4246,
258.8781, 283.7068

■ 11.6454, 13.3448,
14.7850

■ 40.9533, 45.5893,
50.2157

■ 6.5732, 7.6664,
8.5237

■ 56.6375, 62.6885,
68.9700

■ 3.2406, 3.8822,
4.3393

■ 75.8882, 83.6040,
91.8940

■ 1.2822, 1.6079,
1.8133

■ 99.0705, 108.7200,
119.4061

■ 0.1699, 0.3629,
0.4367

126.5500,
138.4211, 151.9249

■ 0.0000, 0.0000,
0.0000

158.6919,

173.0915, 189.8689

195.8617,
213.1157, 233.6567

■ 18.8226, 21.3018,
23.5417

■ 18.8226, 21.3018,
23.5417

■ 17.1153, 20.4387,
22.7196

■ 20.7775, 22.2934,
24.3924

■ 15.6434, 19.6960,
21.9242

■ 22.9881, 23.4158,
25.2709

■ 14.3964, 19.0688,
21.1553

■ 25.4640, 24.6747,
26.1782

■ 13.3622, 18.5511,
20.4122

■ 28.2142, 26.0746,
27.1147

■ 12.5276, 18.1359,
19.6941

■ 31.2469, 27.6197,
28.0811

■ 11.8780, 17.8157,
19.0004

■ 34.5702, 29.3144,
29.0777

■ 11.3966, 17.5818,
18.3302

■ 38.1918, 31.1624,
30.1050

■ 11.0625, 17.4235,
17.6822

■ 42.1190, 33.1676,
31.1634

■ 10.8855, 17.3409,
17.2860

■ 46.3591, 35.3337,
32.2534

Harmonies

Analogous

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



18.9515, 21.3018, 21.4502



18.8226, 21.3018, 23.5417



19.0674, 21.3018, 25.6656

Triad

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



18.8226, 21.3018, 23.5417



21.0923, 21.3018, 26.8129



20.8780, 21.3018, 19.6055

Complementary

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



18.8226, 21.3018, 23.5417



18.4183, 17.8970, 19.0076

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.



21.4737, 21.3018, 20.8864



18.8226, 21.3018, 23.5417



21.5996, 21.3018, 25.0299

Square

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



18.8226, 21.3018, 23.5417



20.3678, 21.3018, 27.6281



21.7409, 21.3018, 22.8498



20.1262, 21.3018, 19.2618

Rectangle

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



18.8226, 21.3018, 23.5417



19.4132, 21.3018, 26.7882



21.7409, 21.3018, 22.8498



21.1038, 21.3018, 19.9367

Sweetspot

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



18.8232, 21.3027, 23.5422



37.0761, 39.8547, 43.6254



18.3400, 21.1593, 18.7406



8.5743, 9.2497, 10.1327



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.8232, 21.3027, 23.5422



32.8612, 37.7187, 41.7653



18.2790, 19.8934, 24.3502



4.7692, 5.2659, 5.7957



10.7155, 17.0690, 17.0190



0.0393, 0.0600, 0.0705

Inverse Universe

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



18.4183, 17.8970, 19.0076



32.0128, 30.5811, 32.2625



18.9026, 19.1405, 18.3213



4.7019, 4.7005, 5.0427



9.3554, 4.8065, 1.1779



0.0342, 0.0174, 0.0138

Previews

White Background



This preview shows how the XYZ color 18.8226, 21.3018, 23.5417 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 18.8226, 21.3018, 23.5417 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

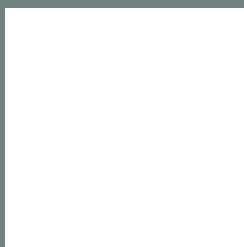
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8226, 21.3018, 23.5417

Background



This preview shows how black text looks on a background with the XYZ color 18.8226, 21.3018, 23.5417.



This preview shows how white text looks on a background with the XYZ color 18.8226, 21.3018,

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

18.8226, 21.3018, 23.5417

Protanopia

20.3684, 21.1482, 22.4105

Deuteranopia

21.5935, 21.1809, 24.0693



Tritanopia

19.6541, 21.2388, 27.8746

Trichromacy



Original Color

18.8226, 21.3018, 23.5417

Protanomaly

19.7972, 21.2298, 22.7930

Deuteranomaly

20.4766, 21.1738, 23.7766

Tritanomaly

19.3660, 21.3202, 26.3871

Monochromacy



Original Color

18.8226, 21.3018, 23.5417

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2404, 20.7500, 22.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8226, 21.3018, 23.5417 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, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 131, 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(113, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 131, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.8226, 21.3018, 23.5417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

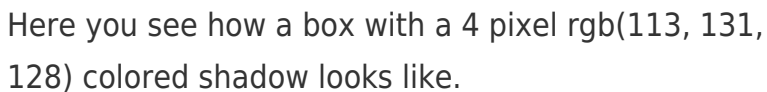
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 131, 128) }
```


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

```
.border{ border-color:rgb(113, 131, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 131, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 131, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 131, 128); box-shadow:4px 4px 4px 4px rgb(113, 131, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8226, 21.3018, 23.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 131, 128) }
```

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

```
.background{ background-color: rgb(113,  
131, 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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