

Converting Colors

XYZ(21.1961, 13.1882, 18.5665)

Have a look what the booklet for
XYZ(21.1961, 13.1882, 18.5665)
contains.

XYZ(21.1960, 13.1879, 18.5679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1960, 13.1879,
18.5679)**

Conversions

Conversions Part 1

Format	Color
Hex	A83F76
RGB	168, 63, 118
RGB Percent	66%, 25%, 46%
CMY	0.3412, 0.7529, 0.5373
CMYK	0.00, 0.62, 0.30, 0.34
HSL	329°, 45%, 45%
HSV	329°, 62%, 66%
XYZ	21.1960, 13.1879, 18.5679
YIQ	100.6650, 44.9250, 39.3650

Conversions

Conversions Part 2

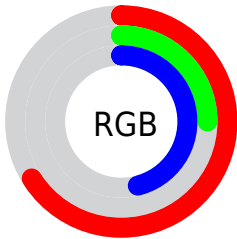
Format	Color
R_{YB}	168, 63, 118
Decimal	11026294
CIE _{Lab}	43.05, 48.70, -9.11
CIE _{LCh}	43, 49.549, 349.409
Yxy	13.1879, 0.4003, 0.2491
Android (android.graphics.Color)	4289216374 (0xFFA83F76)
YUV	100.6650, 8.5462, 59.0528
Hunter-Lab	36.3151, 40.6333, -4.8943

Details

The XYZ color **21.1960, 13.1879, 18.5679** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.0340, 30.2547, 20.4611**, and the grayscale version is **12.2546, 12.8928, 14.0403**.

A 20% lighter version of the original color is **44.8651, 31.5618, 41.7576**, and **7.7876, 3.8869, 6.1342** is the 20% darker color. If you saturate the color by 10%, you get **19.9480, 11.4208, 15.9049**, and if you desaturate by 10%, it is **22.7689, 15.5402, 21.5385**.

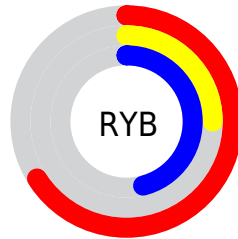
Distribution



Red (66%)

Green (25%)

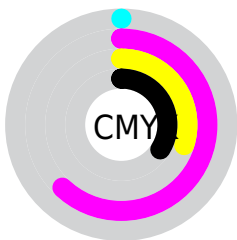
Blue (46%)



Red (66%)

Yellow (25%)

Blue (46%)

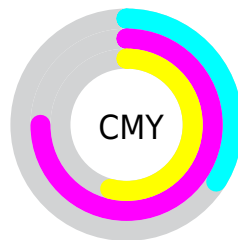


Cyan (0%)

Magenta (62%)

Yellow (30%)

Black (34%)



Cyan (34%)


Magenta (75%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1960, 13.1879, 18.5679 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 21.1960, 13.1879, 18.5679 by changing the saturation by 10% instead.


 21.1960, 13.1879,
18.5679


 21.1960, 13.1879,
18.5679


251.0303,
212.1184, 256.3956


 13.3806, 7.5581,
11.1848


 44.9023, 31.6409,
41.8296


 7.7700, 3.8135,
6.0756


 61.5240, 45.2329,
58.5453


 3.9987, 1.5698,
2.8215

 81.8118, 62.2478,
79.2090

 1.7014, 0.3371,
1.0043

 106.1311, 83.0699,
104.2391

 0.4571, 0.0000,
0.0000

 134.8472,
108.0836, 134.0543

 0.0000, 0.0000,
0.0000

168.3256,

137.6733, 169.0731

206.9315,
172.2234, 209.7140

■ 21.1960, 13.1879,
18.5679

■ 21.1960, 13.1879,
18.5679

■ 19.9480, 11.4208,
15.9049

■ 22.7689, 15.5402,
21.5385

■ 18.9961, 10.1829,
13.5345

■ 24.6901, 18.5229,
24.8287

■ 18.3078, 9.4109,
11.4410

■ 26.9817, 22.1790,
28.4508

■ 17.9098, 9.0294,
10.0305

■ 29.6638, 26.5471,
32.4157

■ 32.7550, 31.6630,
36.7341

■ 36.2725, 37.5598,
41.4159

■ 40.2328, 44.2689,
46.4704

■ 44.6511, 51.8198,
51.9070

■ 49.5421, 60.2405,
57.7341

Harmonies

Analogous

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



18.9565, 13.1879, 32.7777



21.1960, 13.1879, 18.5679



20.7852, 13.1879, 8.4580

Triad

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



21.1960, 13.1879, 18.5679



10.2558, 13.1879, 2.2730



8.3492, 13.1879, 36.8908

Complementary

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



21.1960, 13.1879, 18.5679



19.0340, 30.2547, 20.4611

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.



6.8201, 13.1879, 22.5147



21.1960, 13.1879, 18.5679



7.7567, 13.1879, 4.5815

Square

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



21.1960, 13.1879, 18.5679



13.9290, 13.1879, 2.0374



6.6277, 13.1879, 10.8403



11.2367, 13.1879, 46.4016

Rectangle

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



21.1960, 13.1879, 18.5679



19.0846, 13.1879, 4.7378



6.6277, 13.1879, 10.8403



7.6865, 13.1879, 32.2069

Sweetspot

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



21.1964, 13.1886, 18.5681



55.5132, 50.9464, 61.2195



15.5283, 9.8278, 38.1244



11.7784, 10.5753, 12.8868



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.1964, 13.1886, 18.5681



35.4675, 19.7447, 27.1311



18.9247, 12.2799, 6.6056



7.6891, 7.6055, 8.6798



13.5508, 6.8290, 7.7120



0.3553, 0.1764, 0.3225

Inverse Universe

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



21.1964, 13.1886, 18.5681



35.4675, 19.7447, 27.1311



22.7991, 31.7608, 40.2882



7.6891, 7.6055, 8.6798



13.5508, 6.8290, 7.7120



0.3553, 0.1764, 0.3225

Previews

White Background



This preview shows how the XYZ color 21.1960, 13.1879, 18.5679 looks on a white 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

Black Background



This preview shows how the XYZ color 21.1960, 13.1879, 18.5679 looks on a black 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

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

XYZ 21.1960, 13.1879, 18.5679

Background



This preview shows how black text looks on a background with the XYZ color 21.1960, 13.1879, 18.5679.

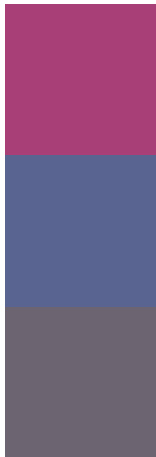


This preview shows how white text looks on a background with the XYZ color 21.1960, 13.1879,

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

21.1960, 13.1879, 18.5679

Protanopia

13.8075, 13.4448, 28.2529

Deuteranopia

13.7221, 13.4947, 17.5043



Tritanopia

19.1740, 13.1699, 8.5526

Trichromacy



Original Color

21.1960, 13.1879, 18.5679

Protanomaly

15.2526, 12.4172, 24.5145

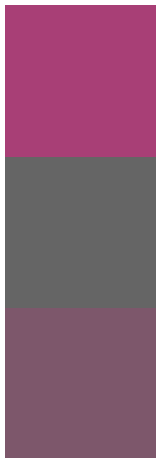
Deuteranomaly

15.7086, 12.8000, 17.8624

Tritanomaly

19.7858, 13.1359, 11.6179

Monochromacy



Original Color

21.1960, 13.1879, 18.5679

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.5195, 12.2379, 15.5068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1960, 13.1879, 18.5679 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(168, 63, 118)` looks like.

```
.text, #text, p{  
    color:rgb(168, 63, 118)  
}
```

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(168, 63, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 63, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.1960, 13.1879, 18.5679 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(168, 63, 118) }
```


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

```
.border{ border-color:rgb(168, 63, 118) }
```

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

Here you see how a box with a 4 pixel rgb(168, 63, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 63, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 63, 118);  
box-shadow:4px 4px 4px 4px rgb(168, 63,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1960, 13.1879, 18.5679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 63, 118) }
```

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

```
.background{ background-color: rgb(168, 63,  
118) }
```

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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