

Converting Colors

XYZ(21.8746, 11.3929, 18.0749)

Have a look what the booklet for
XYZ(21.8746, 11.3929, 18.0749)
contains.

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Color

**XYZ(21.9567, 11.4263,
18.1878)**

Conversions

Conversions Part 1

Format	Color
Hex	B21876
RGB	178, 24, 118
RGB Percent	70%, 9%, 46%
CMY	0.3020, 0.9058, 0.5373
CMYK	0.00, 0.87, 0.34, 0.30
HSL	323°, 76%, 40%
HSV	323°, 87%, 70%
XYZ	21.9567, 11.4263, 18.1878
YIQ	80.7620, 61.6100, 61.8820

Conversions

Conversions Part 2

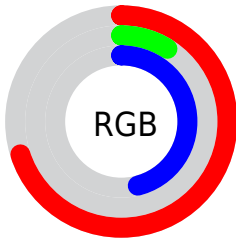
Format	Color
R_{YB}	178, 24, 118
Decimal	11671670
CIE _{Lab}	40.29, 64.17, -13.10
CIE _{LCh}	40, 65.490, 348.465
Yxy	11.4263, 0.4258, 0.2216
Android (android.graphics.Color)	4289861750 (0xFFB21876)
YUV	80.7620, 18.3583, 85.2777
Hunter-Lab	33.8028, 56.7902, -8.2394

Details

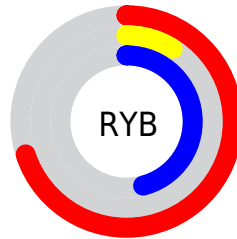
The XYZ color **21.9567, 11.4263, 18.1878** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.8983, 32.6754, 13.7546**, and the grayscale version is **7.7324, 8.1351, 8.8591**.

A 20% lighter version of the original color is **46.2567, 28.5616, 41.1052**, and **8.8512, 4.4353, 6.1839** is the 20% darker color. If you saturate the color by 10%, you get **21.3003, 10.7490, 16.0097**, and if you desaturate by 10%, it is **22.8791, 12.5870, 20.6043**.

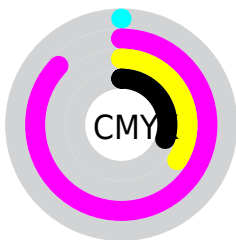
Distribution



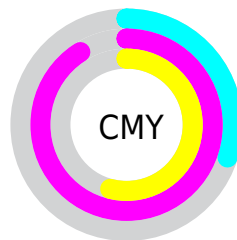
- Red (70%)
- Green (9%)
- Blue (46%)



- Red (70%)
- Yellow (9%)
- Blue (46%)



- Cyan (0%)
- Magenta (87%)
- Yellow (34%)
- Black (30%)



- Cyan (30%)
- Magenta (91%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9567, 11.4263, 18.1878 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 21.9567, 11.4263, 18.1878 by changing the saturation by 10% instead.

21.9567, 11.4263,
18.1878

21.9567, 11.4263,
18.1878

254.9567,
200.5693, 254.1990

13.9415, 6.3543,
10.9141

46.1538, 28.4458,
41.1753

8.1614, 3.0617,
5.8956

63.0664, 41.1622,
57.7262

4.2511, 1.1640,
2.7140

83.6756, 57.1954,
78.2065

1.8451, 0.0320,
0.9504

108.3466, 76.9300,
103.0349

0.5446, 0.0000,
0.0000

137.4449,
100.7503, 132.6297

0.0000, 0.0000,
0.0000

171.3358,

129.0407, 167.4097

210.3846,
162.1856, 207.7933

■ 21.9567, 11.4263,
18.1878

■ 21.9567, 11.4263,
18.1878

■ 21.3003, 10.7490,
16.0097

■ 22.8791, 12.5870,
20.6043

■ 21.1011, 10.5614,
15.2935

■ 24.1120, 14.3191,
23.2769

■ 25.6893, 16.6897,
26.2199

■ 27.6402, 19.7559,
29.4461

■ 29.9904, 23.5683,
32.9667

■ 32.7633, 28.1730,
36.7925

■ 35.9805, 33.6123,
40.9333

■ 39.6622, 39.9252,
45.3983

■ 43.8269, 47.1487,
50.1966

Harmonies

Analogous

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



18.8630, 11.4263, 37.7285



21.9567, 11.4263, 18.1878



21.5197, 11.4263, 6.0477

Triad

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



21.9567, 11.4263, 18.1878



8.3063, 11.4263, 0.5136



6.0105, 11.4263, 42.4209

Complementary

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



21.9567, 11.4263, 18.1878



17.8983, 32.6754, 13.7546

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.



4.4722, 11.4263, 22.2448



21.9567, 11.4263, 18.1878



5.5179, 11.4263, 2.0989

Square

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



21.9567, 11.4263, 18.1878



12.7155, 11.4263, 0.3704



4.3217, 11.4263, 8.0540



9.1950, 11.4263, 57.0305

Rectangle

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



21.9567, 11.4263, 18.1878



19.3039, 11.4263, 2.4306



4.3217, 11.4263, 8.0540



5.3273, 11.4263, 35.6042

Sweetspot

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



21.9570, 11.4269, 18.1880



59.4455, 51.1424, 66.7626



11.9340, 5.7093, 42.5923



12.7690, 10.6601, 14.2511



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.9570, 11.4269, 18.1880



38.1498, 19.1061, 27.1235



19.1046, 10.2860, 3.1672



8.7069, 8.5895, 9.9551



15.1297, 7.5694, 11.1088



0.5036, 0.2492, 0.4949

Inverse Universe

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



21.9570, 11.4269, 18.1880



38.1498, 19.1061, 27.1235



22.6457, 34.5744, 38.7538



8.7069, 8.5895, 9.9551



15.1297, 7.5694, 11.1088



0.5036, 0.2492, 0.4949

Previews

White Background



This preview shows how the XYZ color 21.9567, 11.4263, 18.1878 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 21.9567, 11.4263, 18.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

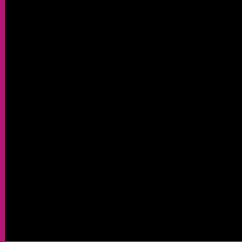
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9567, 11.4263, 18.1878

Background



This preview shows how black text looks on a background with the XYZ color 21.9567, 11.4263, 18.1878.



This preview shows how white text looks on a background with the XYZ color 21.9567, 11.4263,

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

21.9567, 11.4263, 18.1878

Protanopia

13.0410, 11.8803, 37.2031

Deuteranopia

11.9628, 11.7838, 16.3959



Tritanopia

19.2820, 11.6234, 4.5954

Trichromacy



Original Color

21.9567, 11.4263, 18.1878

Protanomaly

13.5368, 9.5202, 29.1411

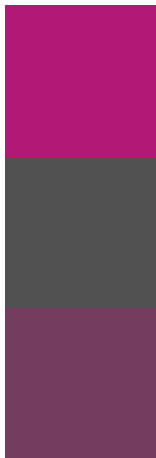
Deuteranomaly

14.0108, 10.0377, 16.8218

Tritanomaly

19.8117, 11.2357, 8.1457

Monochromacy



Original Color

21.9567, 11.4263, 18.1878

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.8387, 7.7529, 11.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9567, 11.4263, 18.1878 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(178, 24, 118)` looks like.

```
.text, #text, p{  
    color:rgb(178, 24, 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(178, 24, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 24, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.9567, 11.4263, 18.1878 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(178, 24, 118) }
```


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

```
.border{ border-color:rgb(178, 24, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 24, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 24, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 24, 118);  
box-shadow:4px 4px 4px 4px rgb(178, 24,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9567, 11.4263, 18.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 24, 118) }
```

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

```
.background{ background-color: rgb(178, 24,  
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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