

Converting Colors

XYZ(21.8305, 21.0284, 33.5097)

Have a look what the booklet for
XYZ(21.8305, 21.0284, 33.5097)
contains.

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Color

**XYZ(21.8178, 21.0882,
33.4924)**

Conversions

Conversions Part 1

Format	Color
Hex	807B9A
RGB	128, 123, 154
RGB Percent	50%, 48%, 60%
CMY	0.4980, 0.5176, 0.3961
CMYK	0.17, 0.20, 0.00, 0.40
HSL	250°, 13%, 54%
HSV	250°, 20%, 60%
XYZ	21.8178, 21.0882, 33.4924
YIQ	128.0290, -6.9710, 10.7010

Conversions

Conversions Part 2

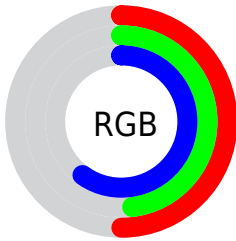
Format	Color
R_{YB}	128, 123, 154
Decimal	8420250
CIE Lab	53.05, 8.53, -15.96
CIE LCh	53, 18.101, 298.128
Yxy	21.0882, 0.2856, 0.2760
Android (android.graphics.Color)	4286610330 (0xFF807B9A)
YUV	128.0290, 12.8037, -0.0254
Hunter-Lab	45.9219, 4.4432, -11.0969

Details

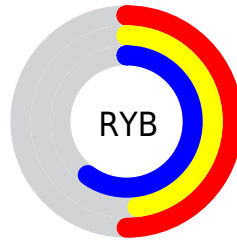
The XYZ color **21.8178, 21.0882, 33.4924** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5259, 30.9314, 23.2594**, and the grayscale version is **20.4871, 21.5541, 23.4724**.

A 20% lighter version of the original color is **45.7712, 45.0378, 65.9553**, and **8.0388, 7.4965, 13.8552** is the 20% darker color. If you saturate the color by 10%, you get **18.2350, 16.6252, 32.8201**, and if you desaturate by 10%, it is **25.9498, 26.2815, 34.2774**.

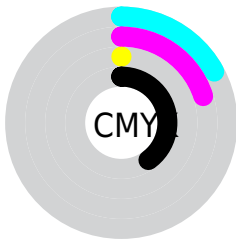
Distribution



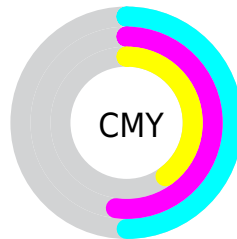
- Red (50%)
- Green (48%)
- Blue (60%)



- Red (50%)
- Yellow (48%)
- Blue (60%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (50%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8178, 21.0882, 33.4924 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 21.8178, 21.0882, 33.4924 by changing the saturation by 10% instead.

■ 21.8178, 21.0882,
33.4924

■ 21.8178, 21.0882,
33.4924

254.2436,
257.7469, 332.5625

■ 13.8389, 13.1885,
22.2297

■ 45.9258, 45.2343,
66.2684

■ 8.0897, 7.5585,
13.8259

■ 62.7856, 62.2494,
88.6187

■ 4.2047, 3.8137,
7.8623

■ 83.3364, 83.0719,
115.5021

■ 1.8186, 1.5699,
3.9204

107.9437,
108.0859, 147.3370

■ 0.5288, 0.3372,
1.5818

136.9727,
137.6761, 184.5419

■ 0.0000, 0.0000,
0.2778

170.7887,

■ 0.0000, 0.0000,

172.2267, 227.5355

0.0000

209.7573,
212.1222, 276.7361

■ 21.8178, 21.0882,
33.4924

■ 21.8178, 21.0882,
33.4924

■ 18.2350, 16.6252,
32.8201

■ 25.9498, 26.2815,
34.2774

■ 15.1761, 12.8572,
32.2541

■ 30.6509, 32.2332,
35.1784

■ 12.6169, 9.7496,
31.7891

■ 35.9425, 38.9731,
36.2004

■ 10.5303, 7.2640,
31.4193

■ 41.8441, 46.5288,
37.3478

■ 8.8866, 5.3579,
31.1380

■ 48.3744, 54.9261,
38.6244

■ 7.6528, 3.9834,
30.9378

■ 55.5515, 64.1902,
40.0343

■ 6.7906, 3.0847,
30.8097

■ 63.3923, 74.3449,
41.5811

■ 6.2297, 2.5377,
30.7337

■ 71.9136, 85.4132,
43.2684

■ 78.9883, 93.1312,
44.3852

Harmonies

Analogous

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



19.9245, 21.0882, 35.1014



21.8178, 21.0882, 33.4924



23.3127, 21.0882, 28.9478

Triad

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



21.8178, 21.0882, 33.4924



22.0375, 21.0882, 15.1657



16.6061, 21.0882, 22.6211

Complementary

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



21.8178, 21.0882, 33.4924



27.5259, 30.9314, 23.2594

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.



17.0955, 21.0882, 17.8631



21.8178, 21.0882, 33.4924



20.1634, 21.0882, 14.0034

Square

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



21.8178, 21.0882, 33.4924



23.4451, 21.0882, 18.3690



18.3685, 21.0882, 14.9078



16.9883, 21.0882, 28.2618

Rectangle

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



21.8178, 21.0882, 33.4924



23.8399, 21.0882, 25.1843



18.3685, 21.0882, 14.9078



16.6735, 21.0882, 20.8734

Sweetspot

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



21.8185, 21.0891, 33.4929



50.4359, 51.9067, 62.8970



24.8047, 28.1505, 34.6985



11.3030, 11.6059, 14.2148



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8185, 21.0891, 33.4929



36.6811, 34.6207, 60.2854



24.2701, 22.3529, 33.6076



5.9727, 6.0718, 7.7862



5.0967, 2.0785, 25.0403



0.0968, 0.0417, 0.3753

Inverse Universe

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



25.8349, 23.2067, 31.5523



45.3152, 39.1753, 56.0082



24.9390, 29.5978, 23.1383



6.4184, 6.3065, 7.5835



14.1056, 6.8965, 17.6130



0.2210, 0.1071, 0.3164

Previews

White Background



This preview shows how the XYZ color 21.8178, 21.0882, 33.4924 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 21.8178, 21.0882, 33.4924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

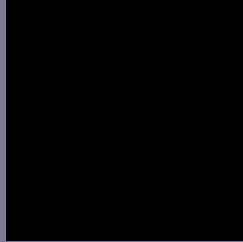
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8178, 21.0882, 33.4924

Background



This preview shows how black text looks on a background with the XYZ color 21.8178, 21.0882, 33.4924.



This preview shows how white text looks on a background with the XYZ color 21.8178, 21.0882,

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

21.8178, 21.0882, 33.4924

Protanopia

21.0801, 21.0606, 34.4066

Deuteranopia

21.4978, 21.1084, 33.5131



Tritanopia

20.3622, 21.0593, 26.2842

Trichromacy



Original Color

21.8178, 21.0882, 33.4924

Protanomaly

21.2924, 20.9928, 33.9401

Deuteranomaly

21.6446, 21.1840, 33.5200

Tritanomaly

20.8957, 21.0860, 28.9553

Monochromacy



Original Color

21.8178, 21.0882, 33.4924

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8783, 21.3170, 26.6811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8178, 21.0882, 33.4924 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(128, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(128, 123, 154)  
}
```

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(128, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 123, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.8178, 21.0882, 33.4924 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(128, 123, 154) }
```


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

```
.border{ border-color:rgb(128, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(128, 123,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8178, 21.0882, 33.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 123, 154) }
```

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

```
.background{ background-color: rgb(128,  
123, 154) }
```

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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