

Converting Colors

XYZ(21.7684, 21.4481, 38.0112)

Have a look what the booklet for
XYZ(21.7684, 21.4481, 38.0112)
contains.

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Color

**XYZ(21.9074, 21.5951,
38.1356)**

Conversions

Conversions Part 1

Format	Color
Hex	787EA4
RGB	120, 126, 164
RGB Percent	47%, 49%, 64%
CMY	0.5294, 0.5059, 0.3569
CMYK	0.27, 0.23, 0.00, 0.36
HSL	232°, 19%, 56%
HSV	232°, 27%, 64%
XYZ	21.9074, 21.5951, 38.1356
YIQ	128.5380, -15.7740, 10.5460

Conversions

Conversions Part 2

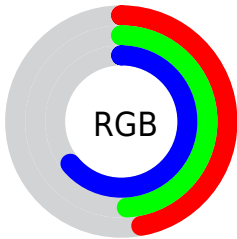
Format	Color
R_{YB}	120, 125, 164
Decimal	7896740
CIE Lab	53.59, 6.59, -20.99
CIE LCh	54, 21.997, 287.423
Yxy	21.5951, 0.2683, 0.2645
Android (android.graphics.Color)	4286086820 (0xFF787EA4)
YUV	128.5380, 17.4828, -7.4878
Hunter-Lab	46.4705, 2.8261, -16.1264

Details

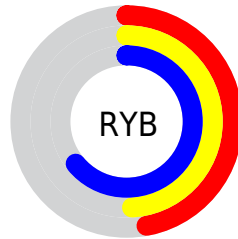
The XYZ color **21.9074, 21.5951, 38.1356** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.9272, 33.7025, 22.6451**, and the grayscale version is **20.6503, 21.7257, 23.6593**.

A 20% lighter version of the original color is **46.1399, 46.2389, 73.5110**, and **8.1043, 7.7797, 16.4037** is the 20% darker color. If you saturate the color by 10%, you get **18.1402, 17.1526, 37.4770**, and if you desaturate by 10%, it is **26.3220, 26.7531, 38.8989**.

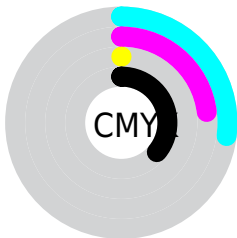
Distribution



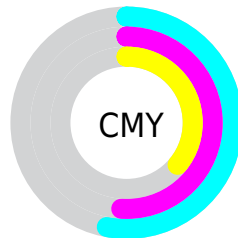
- Red (47%)
- Green (49%)
- Blue (64%)



- Red (47%)
- Yellow (49%)
- Blue (64%)



- Cyan (27%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (53%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9074, 21.5951, 38.1356 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 21.9074, 21.5951, 38.1356 by changing the saturation by 10% instead.

■ 21.9074, 21.5951,
38.1356

■ 21.9074, 21.5951,
38.1356

254.7038,
260.4244, 353.5169

■ 13.9051, 13.5597,
25.7853

■ 46.0729, 46.0759,
73.5217

■ 8.1359, 7.8151,
16.4388

■ 62.9668, 63.2900,
97.3945

■ 4.2346, 3.9768,
9.6775

■ 83.5553, 84.3325,
125.9453

■ 1.8357, 1.6606,
5.0828

108.2037,
109.5878, 159.5925

■ 0.5390, 0.3980,
2.2364

137.2774,
139.4402, 198.7547

■ 0.0000, 0.0000,
0.6952

171.1417,

■ 0.0000, 0.0000,

174.2742, 243.8505

0.0000

210.1621,
214.4742, 295.2984

■ 21.9074, 21.5951,
38.1356

■ 21.9074, 21.5951,
38.1356

■ 18.1402, 17.1526,
37.4770

■ 26.3220, 26.7531,
38.8989

■ 14.9877, 13.3912,
36.9172

■ 31.4105, 32.6535,
39.7696

■ 12.4175, 10.2777,
36.4517

■ 37.2003, 39.3253,
40.7522

■ 10.3935, 7.7751,
36.0753

■ 43.7168, 46.7950,
41.8506

■ 8.8753, 5.8425,
35.7823

■ 50.9840, 55.0878,
43.0682

■ 7.8168, 4.4339,
35.5662

■ 59.0249, 64.2279,
44.4086

■ 7.1547, 3.4913,
35.4191

■ 67.8615, 74.2385,
45.8751

■ 6.9949, 3.2683,
35.3845

■ 77.5148, 85.1417,
47.4709

■ 83.2157, 94.4900,
48.9748

Harmonies

Analogous

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



19.5579, 21.5951, 38.5276



21.9074, 21.5951, 38.1356



24.0332, 21.5951, 33.3927

Triad

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



21.9074, 21.5951, 38.1356



23.7346, 21.5951, 15.2186



16.4264, 21.5951, 20.8084

Complementary

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



21.9074, 21.5951, 38.1356



30.9272, 33.7025, 22.6451

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.



17.3768, 21.5951, 15.8045



21.9074, 21.5951, 38.1356



21.5245, 21.5951, 13.0157

Square

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



21.9074, 21.5951, 38.1356



25.1421, 21.5951, 19.8500



19.2030, 21.5951, 13.2074



16.5117, 21.5951, 27.6019

Rectangle

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



21.9074, 21.5951, 38.1356



24.9835, 21.5951, 28.8358



19.2030, 21.5951, 13.2074



16.6321, 21.5951, 18.8899

Sweetspot

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



21.9081, 21.5960, 38.1361



55.7217, 57.7759, 71.9673



27.1417, 32.9925, 37.0157



11.8778, 12.2791, 15.6816



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.9081, 21.5960, 38.1361



35.6782, 34.3889, 68.5096



23.4740, 21.2980, 37.9961



6.7748, 7.0086, 8.8988



5.3849, 2.5493, 27.1380



0.1344, 0.0960, 0.5773

Inverse Universe

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



25.7928, 22.8324, 22.7872



43.9327, 37.1448, 35.8664



28.9877, 34.2594, 22.8548



7.1113, 7.1010, 7.5725



11.8635, 6.1015, 1.2060



0.2600, 0.1325, 0.0818

Previews

White Background



This preview shows how the XYZ color 21.9074, 21.5951, 38.1356 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 21.9074, 21.5951, 38.1356 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 21.9074, 21.5951, 38.1356

Background



This preview shows how black text looks on a background with the XYZ color 21.9074, 21.5951, 38.1356.



This preview shows how white text looks on a background with the XYZ color 21.9074, 21.5951,

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

21.9074, 21.5951, 38.1356

Protanopia

21.7614, 21.7106, 38.1656

Deuteranopia

22.0469, 21.6670, 38.1421



Tritanopia

19.8606, 21.5332, 28.3089

Trichromacy



Original Color

21.9074, 21.5951, 38.1356

Protanomaly

21.8980, 21.7810, 38.1720

Deuteranomaly

22.0469, 21.6670, 38.1421

Tritanomaly

20.6112, 21.6523, 31.5268

Monochromacy



Original Color

21.9074, 21.5951, 38.1356

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2058, 21.8270, 28.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9074, 21.5951, 38.1356 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(120, 126, 164)` looks like.

```
.text, #text, p{  
    color:rgb(120, 126, 164)  
}
```

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(120, 126, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 126, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.9074, 21.5951, 38.1356 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(120, 126, 164) }
```


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

```
.border{ border-color:rgb(120, 126, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 126, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 126, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 126, 164);  
box-shadow:4px 4px 4px 4px rgb(120, 126,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9074, 21.5951, 38.1356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 126, 164) }
```

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

```
.background{ background-color: rgb(120,  
126, 164) }
```

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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