

Converting Colors

XYZ(22.0782, 21.8931, 37.8065)

Have a look what the booklet for
XYZ(22.0782, 21.8931, 37.8065)
contains.

XYZ(22.0854, 21.8880, 37.7111)	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(22.0854, 21.8880,
37.7111)**

Conversions

Conversions Part 1

Format	Color
Hex	797FA3
RGB	121, 127, 163
RGB Percent	47%, 50%, 64%
CMY	0.5255, 0.5020, 0.3608
CMYK	0.26, 0.22, 0.00, 0.36
HSL	231°, 19%, 56%
HSV	231°, 26%, 64%
XYZ	22.0854, 21.8880, 37.7111
YIQ	129.3100, -15.1320, 9.9240

Conversions

Conversions Part 2

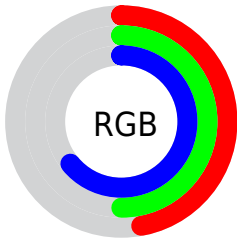
Format	Color
R_{YB}	121, 126, 163
Decimal	7962531
CIE _{Lab}	53.91, 6.06, -19.92
CIE _{LCh}	54, 20.825, 286.930
Yxy	21.8880, 0.2704, 0.2680
Android (android.graphics.Color)	4286152611 (0xFF797FA3)
YUV	129.3100, 16.6092, -7.2879
Hunter-Lab	46.7846, 2.3906, -15.0419

Details

The XYZ color **22.0854, 21.8880, 37.7111** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6128, 33.2813, 22.9004**, and the grayscale version is **20.9228, 22.0124, 23.9715**.

A 20% lighter version of the original color is **46.4317, 46.7031, 72.8971**, and **8.1922, 7.9361, 16.1390** is the 20% darker color. If you saturate the color by 10%, you get **18.3103, 17.4468, 37.0532**, and if you desaturate by 10%, it is **26.4981, 27.0304, 38.4715**.

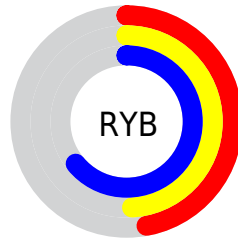
Distribution



Red (47%)

Green (50%)

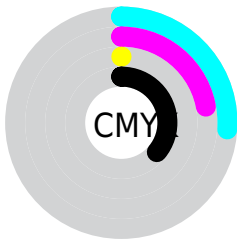
Blue (64%)



Red (47%)

Yellow (49%)

Blue (64%)

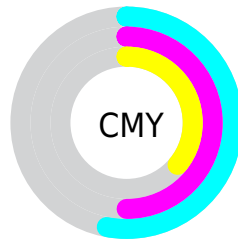


Cyan (26%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0854, 21.8880, 37.7111 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 22.0854, 21.8880, 37.7111 by changing the saturation by 10% instead.

■ 22.0854, 21.8880,
37.7111

■ 22.0854, 21.8880,
37.7111

255.6159,
261.9608, 351.6400

■ 14.0366, 13.7746,
25.4585

■ 46.3649, 46.5608,
72.8636

■ 8.2280, 7.9641,
16.1968

■ 63.3263, 63.8890,
96.6006

■ 4.2942, 4.0720,
9.5077

■ 83.9894, 85.0577,
125.0027

■ 1.8699, 1.7139,
4.9725

108.7194,
110.4511, 158.4886

■ 0.5592, 0.4326,
2.1727

137.8816,
140.4538, 197.4767

■ 0.0000, 0.0000,
0.6585

171.8416,

■ 0.0000, 0.0000,

175.4500, 242.3856

0.0000

210.9646,
215.8242, 293.6338

■ 22.0854, 21.8880,
37.7111

■ 22.0854, 21.8880,
37.7111

■ 18.3103, 17.4468,
37.0532

■ 26.4981, 27.0304,
38.4715

■ 15.1411, 13.6738,
36.4920

■ 31.5740, 32.8999,
39.3369

■ 12.5465, 10.5370,
36.0233

■ 37.3399, 39.5244,
40.3116

■ 10.4915, 8.0008,
35.6420

■ 43.8203, 46.9296,
41.3994

■ 8.9371, 6.0263,
35.3428

■ 51.0386, 55.1398,
42.6037

■ 7.8392, 4.5694,
35.1195

■ 59.0172, 64.1782,
43.9278

■ 7.1417, 3.5776,
34.9648

■ 67.7775, 74.0674,
45.3749

■ 6.9231, 3.2686,
34.9167

■ 77.3401, 84.8288,
46.9480

■ 82.8956, 93.9938,
48.4242

Harmonies

Analogous

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



19.8436, 21.8880, 38.0043



22.0854, 21.8880, 37.7111



24.1166, 21.8880, 33.3027

Triad

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



22.0854, 21.8880, 37.7111



23.8907, 21.8880, 15.8992



16.8788, 21.8880, 21.1465

Complementary

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



22.0854, 21.8880, 37.7111



30.6128, 33.2813, 22.9004

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.



17.8093, 21.8880, 16.3526



22.0854, 21.8880, 37.7111



21.7946, 21.8880, 13.7108

Square

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



22.0854, 21.8880, 37.7111



25.2092, 21.8880, 20.4130



19.5729, 21.8880, 13.8603



16.9443, 21.8880, 27.6136

Rectangle

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



22.0854, 21.8880, 37.7111



25.0300, 21.8880, 29.0081



19.5729, 21.8880, 13.8603



17.0825, 21.8880, 19.3120

Sweetspot

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



22.0861, 21.8889, 37.7116



54.2698, 56.2951, 70.0618



27.0431, 32.6839, 36.6479



11.8843, 12.2921, 15.6838



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.



22.0861, 21.8889, 37.7116



35.4905, 34.4305, 66.8313



23.5536, 21.5290, 37.5648



6.7783, 7.0157, 8.9000



5.4018, 2.5829, 27.1436



0.1356, 0.0985, 0.5777

Inverse Universe

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



25.7730, 22.9943, 23.1595



43.2865, 36.8952, 36.0322



28.8160, 33.8992, 23.1143



7.1131, 7.1017, 7.5819



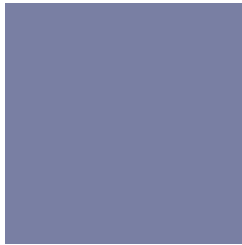
11.8720, 6.1049, 1.2508



0.2606, 0.1327, 0.0851

Previews

White Background



This preview shows how the XYZ color 22.0854, 21.8880, 37.7111 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 22.0854, 21.8880, 37.7111 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 22.0854, 21.8880, 37.7111

Background



This preview shows how black text looks on a background with the XYZ color 22.0854, 21.8880, 37.7111.



This preview shows how white text looks on a background with the XYZ color 22.0854, 21.8880,

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

22.0854, 21.8880, 37.7111

Protanopia

21.9460, 21.8162, 37.7046

Deuteranopia

22.2401, 21.7770, 37.6815



Tritanopia

20.2601, 21.9376, 28.3659

Trichromacy



Original Color

22.0854, 21.8880, 37.7111

Protanomaly

21.9460, 21.8162, 37.7046

Deuteranomaly

22.0978, 21.7036, 37.6749

Tritanomaly

20.8787, 21.9867, 31.5772

Monochromacy



Original Color

22.0854, 21.8880, 37.7111

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1311, 21.7971, 28.2928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0854, 21.8880, 37.7111 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(121, 127, 163)` looks like.

```
.text, #text, p{  
    color:rgb(121, 127, 163)  
}
```

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(121, 127, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 127, 163) }
```

Border

The CSS property to change the border of an element to XYZ 22.0854, 21.8880, 37.7111 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(121, 127, 163) }
```


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

```
.border{ border-color:rgb(121, 127, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 127, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 127, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 127, 163);  
box-shadow:4px 4px 4px 4px rgb(121, 127,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0854, 21.8880, 37.7111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 127, 163) }
```

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

```
.background{ background-color: rgb(121,  
127, 163) }
```

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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