

Converting Colors

XYZ(22.3270, 28.1486, 38.6229)

Have a look what the booklet for
XYZ(22.3270, 28.1486, 38.6229)
contains.

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Color

**XYZ(22.2674, 28.1260,
38.4377)**

Conversions

Conversions Part 1

Format	Color
Hex	589BA2
RGB	88, 155, 162
RGB Percent	35%, 61%, 64%
CMY	0.6549, 0.3921, 0.3647
CMYK	0.46, 0.04, 0.00, 0.36
HSL	186°, 30%, 49%
HSV	186°, 46%, 64%
XYZ	22.2674, 28.1260, 38.4377
YIQ	135.7650, -42.1790, -12.0270

Conversions

Conversions Part 2

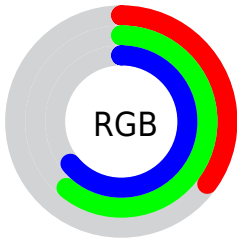
Format	Color
R _Y B	88, 123, 162
Decimal	5807010
CIE Lab	60.00, -19.36, -10.31
CIE LCh	60, 21.937, 208.037
Yxy	28.1260, 0.2507, 0.3166
Android (android.graphics.Color)	4283997090 (0xFF589BA2)
YUV	135.7650, 12.9339, -41.8899
Hunter-Lab	53.0340, -17.8625, -5.8482

Details

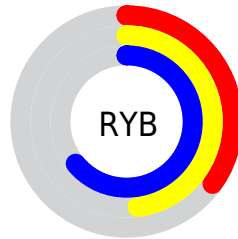
The XYZ color **22.2674, 28.1260, 38.4377** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7544, 16.5708, 11.3378**, and the grayscale version is **23.2790, 24.4914, 26.6711**.

A 20% lighter version of the original color is **46.7263, 56.8537, 74.1568**, and **8.3299, 11.3177, 16.4974** is the 20% darker color. If you saturate the color by 10%, you get **20.6479, 26.9156, 38.2899**, and if you desaturate by 10%, it is **24.2326, 29.5207, 38.6038**.

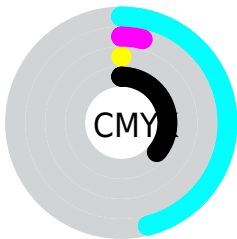
Distribution



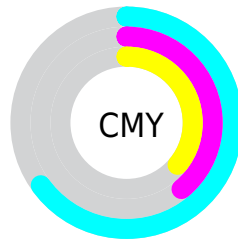
- Red (35%)
- Green (61%)
- Blue (64%)



- Red (35%)
- Yellow (48%)
- Blue (64%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (65%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2674, 28.1260, 38.4377 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 22.2674, 28.1260, 38.4377 by changing the saturation by 10% instead.

■ 22.2674, 28.1260,
38.4377

■ 22.2674, 28.1260,
38.4377

256.5457,
293.0685, 354.8482

■ 14.1712, 18.4207,
26.0181

■ 46.6631, 56.6855,
73.9894

■ 8.3223, 11.2524,
16.6113

■ 63.6934, 76.3085,
97.9585

■ 4.3554, 6.2369,
9.7987

■ 84.4324, 100.0062,
126.6146

■ 1.9051, 2.9897,
5.1619

■ 109.2454,
128.1630, 160.3762

■ 0.5798, 1.1263,
2.2821

138.4980,
161.1632, 199.6618

■ 0.0000, 0.0003,
0.7212

172.5553,

■ 0.0000, 0.0000,

199.3912, 244.8900

0.0000

211.7827,
243.2315, 296.4793

■ 22.2674, 28.1260,
38.4377

■ 22.2674, 28.1260,
38.4377

■ 20.6479, 26.9156,
38.2899

■ 24.2326, 29.5207,
38.6038

■ 19.3487, 25.8745,
38.1574

■ 26.5617, 31.1072,
38.7873

■ 18.3450, 24.9905,
38.0397

■ 29.2747, 32.8964,
38.9896

■ 17.6072, 24.2483,
37.9353

■ 32.3893, 34.8975,
39.2117

■ 17.0963, 23.6278,
37.8425

■ 35.9221, 37.1191,
39.4544

■ 16.9056, 23.3766,
37.8041

■ 39.8889, 39.5693,
39.7182

■ 44.3045, 42.2558,
40.0040

■ 49.1832, 45.1858,
40.3125

■ 54.5384, 48.3665,
40.6441

Harmonies

Analogous

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



21.7168, 28.1260, 30.1006



22.2674, 28.1260, 38.4377



23.9896, 28.1260, 45.6141

Triad

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



22.2674, 28.1260, 38.4377



31.5529, 28.1260, 39.5093



26.9173, 28.1260, 17.6814

Complementary

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



22.2674, 28.1260, 38.4377



20.7544, 16.5708, 11.3378

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.



29.6778, 28.1260, 19.3413



22.2674, 28.1260, 38.4377



32.4674, 28.1260, 31.1543

Square

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



22.2674, 28.1260, 38.4377



29.3375, 28.1260, 46.3047



31.7588, 28.1260, 23.9489



24.2872, 28.1260, 18.9561

Rectangle

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



22.2674, 28.1260, 38.4377



25.6351, 28.1260, 48.2696



31.7588, 28.1260, 23.9489



27.8616, 28.1260, 17.9077

Sweetspot

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



22.2683, 28.1271, 38.4384



53.8985, 60.2094, 70.8369



18.9733, 28.7271, 15.1745



11.8588, 13.3625, 15.8917



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.



22.2683, 28.1271, 38.4384



37.3870, 48.7876, 69.5026



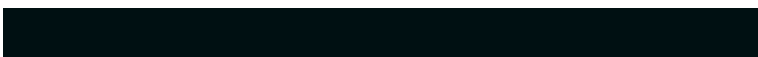
17.1237, 17.8381, 36.7235



7.2186, 7.8962, 9.0467



13.3354, 18.4503, 29.7882



0.2957, 0.4186, 0.6311

Inverse Universe

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



24.3071, 17.0281, 33.0171



41.6650, 26.3734, 57.9315



24.8011, 24.6640, 12.6866



7.3353, 7.1906, 8.7522



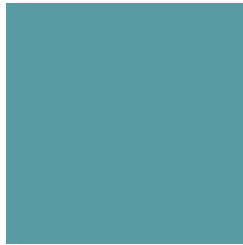
15.8766, 7.7067, 22.3385



0.3414, 0.1651, 0.5104

Previews

White Background



This preview shows how the XYZ color 22.2674, 28.1260, 38.4377 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 22.2674, 28.1260, 38.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

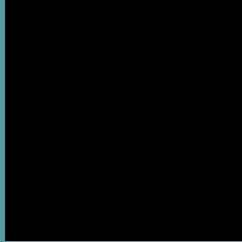
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2674, 28.1260, 38.4377

Background



This preview shows how black text looks on a background with the XYZ color 22.2674, 28.1260, 38.4377.

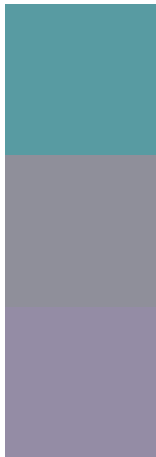


This preview shows how white text looks on a background with the XYZ color 22.2674, 28.1260,

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

22.2674, 28.1260, 38.4377

Protanopia

26.9829, 27.8177, 34.5190

Deuteranopia

28.3824, 27.7687, 39.4613



Tritanopia

22.6505, 28.0251, 40.7748

Trichromacy



Original Color

22.2674, 28.1260, 38.4377

Protanomaly

24.6879, 27.5127, 35.9076

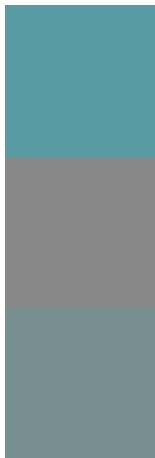
Deuteranomaly

25.4304, 27.3668, 39.0639

Tritanomaly

22.4670, 27.9517, 39.8084

Monochromacy



Original Color

22.2674, 28.1260, 38.4377

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5410, 25.6112, 30.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2674, 28.1260, 38.4377 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(88, 155, 162)` looks like.

```
.text, #text, p{  
    color:rgb(88, 155, 162)  
}
```

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(88, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 155, 162) }
```

Border

The CSS property to change the border of an element to XYZ 22.2674, 28.1260, 38.4377 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(88, 155, 162) }
```


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

```
.border{ border-color:rgb(88, 155, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 155, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(88, 155,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2674, 28.1260, 38.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 155, 162) }
```

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

```
.background{ background-color: rgb(88, 155,  
162) }
```

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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