

Converting Colors

XYZ(22.7070, 29.0183, 42.4345)

Have a look what the booklet for
XYZ(22.7070, 29.0183, 42.4345)
contains.

XYZ(22.7070, 29.0183, 42.4345)	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(22.7070, 29.0183,
42.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	4F9EAA
RGB	79, 158, 170
RGB Percent	31%, 62%, 67%
CMY	0.6902, 0.3804, 0.3333
CMYK	0.54, 0.07, 0.00, 0.33
HSL	188°, 37%, 49%
HSV	188°, 54%, 67%
XYZ	22.7070, 29.0183, 42.4345
YIQ	135.7470, -50.9360, -13.0160

Conversions

Conversions Part 2

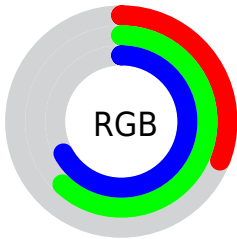
Format	Color
R_{YB}	79, 121, 170
Decimal	5217962
CIE _{Lab}	60.80, -20.78, -13.68
CIE _{LCh}	61, 24.875, 213.361
Yxy	29.0183, 0.2412, 0.3082
Android (android.graphics.Color)	4283408042 (0xFF4F9EAA)
YUV	135.7470, 16.8867, -49.7671
Hunter-Lab	53.8686, -19.0278, -8.9971

Details

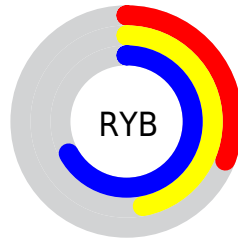
The XYZ color **22.7070, 29.0183, 42.4345** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7305, 16.5933, 9.4554**, and the grayscale version is **23.2605, 24.4719, 26.6499**.

A 20% lighter version of the original color is **47.3765, 58.1756, 79.9662**, and **8.5242, 11.6677, 18.9424** is the 20% darker color. If you saturate the color by 10%, you get **21.0911, 27.6234, 42.2510**, and if you desaturate by 10%, it is **24.6933, 30.6157, 42.6387**.

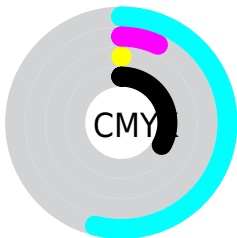
Distribution



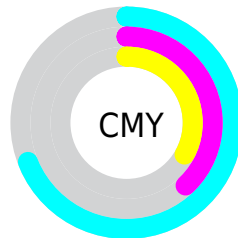
- Red (31%)
- Green (62%)
- Blue (67%)



- Red (31%)
- Yellow (47%)
- Blue (67%)



- Cyan (54%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)



- Cyan (69%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7070, 29.0183, 42.4345 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 22.7070, 29.0183, 42.4345 by changing the saturation by 10% instead.

■ 22.7070, 29.0183,
42.4345

■ 22.7070, 29.0183,
42.4345

258.7800,
297.3013, 372.1336

■ 14.4968, 19.0947,
29.1136

■ 47.3820, 58.1062,
80.1340

■ 8.5510, 11.7387,
18.9204

■ 64.5775, 78.0392,
105.3496

■ 4.5043, 6.5660,
11.4366

■ 85.4988, 102.0774,
135.3672

■ 1.9912, 3.1922,
6.2434

■ 110.5113,
130.6053, 170.6053

■ 0.6290, 1.2329,
2.9225

■ 139.9803,
164.0073, 211.4824

■ 0.0000, 0.0883,
1.0552

174.2712,

■ 0.0000, 0.0000,

202.6677, 258.4172

0.0000

213.7493,
246.9709, 311.8281

■ 22.7070, 29.0183,
42.4345

■ 22.7070, 29.0183,
42.4345

■ 21.0911, 27.6234,
42.2510

■ 24.6933, 30.6157,
42.6387

■ 19.8146, 26.4133,
42.0846

■ 27.0724, 32.4254,
42.8626

■ 18.8462, 25.3721,
41.9347

■ 29.8684, 34.4605,
43.1080

■ 18.1471, 24.4800,
41.7994

■ 33.1022, 36.7318,
43.3760

■ 17.7808, 23.9524,
41.7168

■ 36.7937, 39.2496,
43.6674

■ 40.9613, 42.0235,
43.9832

■ 45.6226, 45.0625,
44.3241

■ 50.7941, 48.3753,
44.6909

■ 56.4916, 51.9700,
45.0845

Harmonies

Analogous

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



21.8280, 29.0183, 32.6514



22.7070, 29.0183, 42.4345



24.8861, 29.0183, 50.3349

Triad

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



22.7070, 29.0183, 42.4345



33.5203, 29.0183, 40.2715



27.2182, 29.0183, 16.9451

Complementary

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



22.7070, 29.0183, 42.4345



21.7305, 16.5933, 9.4554

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.



30.4638, 29.0183, 18.2025



22.7070, 29.0183, 42.4345



34.2652, 29.0183, 30.5636

Square

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



22.7070, 29.0183, 42.4345



31.1434, 29.0183, 48.9244



33.1069, 29.0183, 22.7806



24.3012, 29.0183, 18.9348

Rectangle

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



22.7070, 29.0183, 42.4345



26.8684, 29.0183, 52.7892



33.1069, 29.0183, 22.7806



28.3062, 29.0183, 17.0037

Sweetspot

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



22.7079, 29.0194, 42.4352



58.3572, 65.4626, 78.5617



19.4290, 31.1440, 14.5757



12.7488, 14.4130, 17.4977



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.7079, 29.0194, 42.4352



37.8481, 49.7383, 76.6075



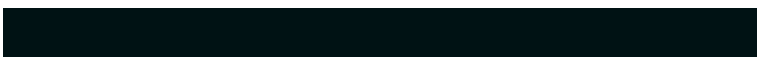
16.4850, 16.5737, 40.3609



7.6619, 8.3608, 9.6283



13.1087, 17.6776, 30.6967



0.3415, 0.4752, 0.7544

Inverse Universe

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



25.5458, 16.6074, 34.2081



43.7320, 25.5416, 59.2056



26.6698, 26.4718, 11.1018



7.7987, 7.6493, 9.2572



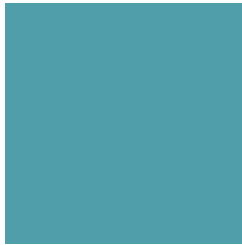
16.1173, 7.8556, 21.2268



0.4035, 0.1957, 0.5764

Previews

White Background



This preview shows how the XYZ color 22.7070, 29.0183, 42.4345 looks on a white background.

Color Contrast Check

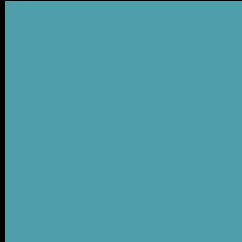
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7070, 29.0183, 42.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

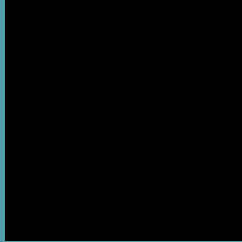
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7070, 29.0183, 42.4345

Background



This preview shows how black text looks on a background with the XYZ color 22.7070, 29.0183, 42.4345.

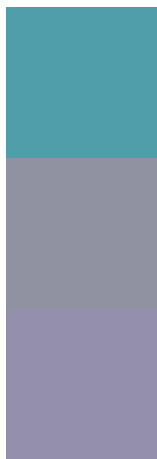


This preview shows how white text looks on a background with the XYZ color 22.7070, 29.0183,

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

22.7070, 29.0183, 42.4345

Protanopia

28.0600, 28.7533, 37.7892

Deuteranopia

29.3979, 28.8651, 43.5572



Tritanopia

22.8020, 29.0563, 42.9347

Trichromacy



Original Color

22.7070, 29.0183, 42.4345

Protanomaly

25.3529, 28.4861, 39.2841

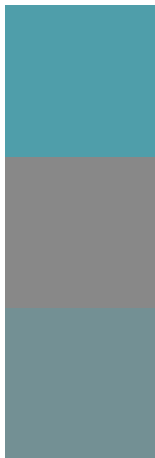
Deuteranomaly

26.0623, 28.2959, 43.1178

Tritanomaly

22.8020, 29.0563, 42.9347

Monochromacy



Original Color

22.7070, 29.0183, 42.4345

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.3888, 25.7295, 31.8032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7070, 29.0183, 42.4345 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(79, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(79, 158, 170)  
}
```

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(79, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 158, 170) }
```

Border

The CSS property to change the border of an element to XYZ 22.7070, 29.0183, 42.4345 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(79, 158, 170) }
```


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

```
.border{ border-color:rgb(79, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(79, 158,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7070, 29.0183, 42.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 158, 170) }
```

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

```
.background{ background-color: rgb(79, 158,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor