

Converting Colors

XYZ(22.8871, 28.8696, 42.3963)

Have a look what the booklet for
XYZ(22.8871, 28.8696, 42.3963)
contains.

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Color

**XYZ(22.8799, 28.8552,
42.3939)**

Conversions

Conversions Part 1

Format	Color
Hex	539DAA
RGB	83, 157, 170
RGB Percent	33%, 62%, 67%
CMY	0.6745, 0.3843, 0.3333
CMYK	0.51, 0.08, 0.00, 0.33
HSL	189°, 34%, 50%
HSV	189°, 51%, 67%
XYZ	22.8799, 28.8552, 42.3939
YIQ	136.3560, -48.2770, -11.6450

Conversions

Conversions Part 2

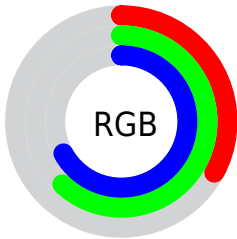
Format	Color
R_{YB}	83, 123, 170
Decimal	5479850
CIE _{Lab}	60.65, -19.37, -13.88
CIE _{LCh}	61, 23.829, 215.627
Yxy	28.8552, 0.2431, 0.3065
Android (android.graphics.Color)	4283669930 (0xFF539DAA)
YUV	136.3560, 16.5865, -46.7932
Hunter-Lab	53.7170, -17.9756, -9.1902

Details

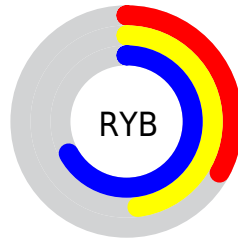
The XYZ color **22.8799, 28.8552, 42.3939** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3223, 17.5368, 10.3928**, and the grayscale version is **23.4886, 24.7119, 26.9112**.

A 20% lighter version of the original color is **47.6153, 57.9265, 79.9055**, and **8.5901, 11.5496, 18.9161** is the 20% darker color. If you saturate the color by 10%, you get **21.1349, 27.3249, 42.1910**, and if you desaturate by 10%, it is **25.0034, 30.5952, 42.6183**.

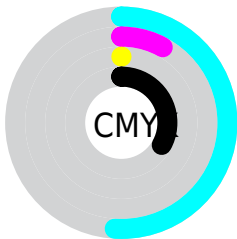
Distribution



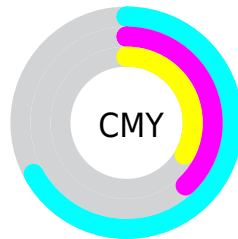
- Red (33%)
- Green (62%)
- Blue (67%)



- Red (33%)
- Yellow (48%)
- Blue (67%)



- Cyan (51%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8799, 28.8552, 42.3939 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 22.8799, 28.8552, 42.3939 by changing the saturation by 10% instead.

■ 22.8799, 28.8552,
42.3939

■ 22.8799, 28.8552,
42.3939

259.6544,
296.5311, 371.9609

■ 14.6251, 18.9713,
29.0820

■ 47.6642, 57.8469,
80.0719

■ 8.6413, 11.6495,
18.8967

■ 64.9243, 77.7236,
105.2751

■ 4.5632, 6.5055,
11.4196

■ 85.9169, 101.6999,
135.2792

■ 2.0254, 3.1548,
6.2321

■ 111.0073,
130.1604, 170.5026

■ 0.6482, 1.2131,
2.9157

140.5609,
163.4894, 211.3640

■ 0.0000, 0.0724,
1.0517

174.9431,

■ 0.0000, 0.0000,

202.0712, 258.2818

0.0000

214.5191,
246.2903, 311.6746

■ 22.8799, 28.8552,
42.3939

■ 22.8799, 28.8552,
42.3939

■ 21.1349, 27.3249,
42.1910

■ 25.0034, 30.5952,
42.6183

■ 19.7383, 25.9867,
42.0063

■ 27.5273, 32.5543,
42.8635

■ 18.6596, 24.8256,
41.8391

■ 30.4751, 34.7453,
43.1310

■ 17.8621, 23.8224,
41.6875

■ 33.8675, 37.1791,
43.4220

■ 17.3203, 23.0314,
41.5633

■ 37.7241, 39.8657,
43.7373

■ 42.0631, 42.8146,
44.0778

■ 46.9017, 46.0349,
44.4443

■ 52.2564, 49.5349,
44.8377

■ 58.1429, 53.3230,
45.2586

Harmonies

Analogous

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



21.9343, 28.8552, 33.1143



22.8799, 28.8552, 42.3939



25.0493, 28.8552, 49.5799

Triad

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



22.8799, 28.8552, 42.3939



33.1940, 28.8552, 38.9665



26.8483, 28.8552, 17.3589

Complementary

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



22.8799, 28.8552, 42.3939



22.3223, 17.5368, 10.3928

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.



29.9484, 28.8552, 18.3416



22.8799, 28.8552, 42.3939



33.7654, 28.8552, 29.7814

Square

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



22.8799, 28.8552, 42.3939



31.0298, 28.8552, 47.3554



32.5376, 28.8552, 22.5223



24.1126, 28.8552, 19.5303

Rectangle

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



22.8799, 28.8552, 42.3939



26.9760, 28.8552, 51.5924



32.5376, 28.8552, 22.5223



27.8810, 28.8552, 17.3371

Sweetspot

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



22.8808, 28.8563, 42.3946



58.8265, 65.5929, 78.5621



19.9901, 31.4080, 15.7409



12.8379, 14.4261, 17.4956



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.



22.8808, 28.8563, 42.3946



38.0846, 49.3370, 76.5176



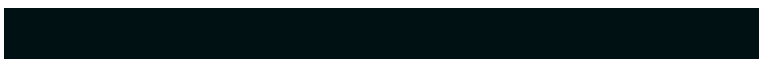
16.9430, 16.9807, 40.4153



7.6506, 8.3382, 9.6245



12.7730, 17.0061, 30.5848



0.3358, 0.4638, 0.7525

Inverse Universe

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



25.7573, 17.1676, 33.8556



44.0648, 26.4919, 58.4389



27.2424, 27.3770, 12.0328



7.7930, 7.6471, 9.2272



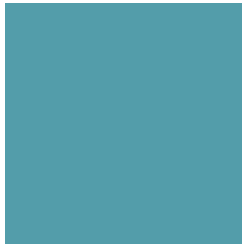
15.9478, 7.7878, 20.3344



0.4007, 0.1945, 0.5613

Previews

White Background



This preview shows how the XYZ color 22.8799, 28.8552, 42.3939 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 22.8799, 28.8552, 42.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

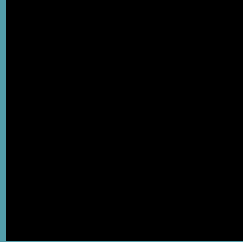
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8799, 28.8552, 42.3939

Background



This preview shows how black text looks on a background with the XYZ color 22.8799, 28.8552, 42.3939.



This preview shows how white text looks on a background with the XYZ color 22.8799, 28.8552,

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

22.8799, 28.8552, 42.3939

Protanopia

27.8225, 28.3948, 38.1968

Deuteranopia

29.0699, 28.4741, 43.4991



Tritanopia

22.8799, 28.8552, 42.3939

Trichromacy



Original Color

22.8799, 28.8552, 42.3939

Protanomaly

25.4241, 28.2765, 39.7152

Deuteranomaly

26.0485, 28.0569, 43.0724

Tritanomaly

22.8799, 28.8552, 42.3939

Monochromacy



Original Color

22.8799, 28.8552, 42.3939

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.6547, 25.8665, 31.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8799, 28.8552, 42.3939 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(83, 157, 170)` looks like.

```
.text, #text, p{  
    color:rgb(83, 157, 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(83, 157, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 157, 170) }
```

Border

The CSS property to change the border of an element to XYZ 22.8799, 28.8552, 42.3939 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(83, 157, 170) }
```


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

```
.border{ border-color:rgb(83, 157, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 157, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 157, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 157, 170);  
box-shadow:4px 4px 4px 4px rgb(83, 157,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8799, 28.8552, 42.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 157, 170) }
```

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

```
.background{ background-color: rgb(83, 157,  
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](#).

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