

Converting Colors

XYZ(12.7327, 25.7845, 51.2810)

Have a look what the booklet for
XYZ(12.7327, 25.7845, 51.2810)
contains.

XYZ(22.6059, 30.8603, 51.7789)	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(22.6059, 30.8603,
51.7789)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6BB
RGB	0, 166, 187
RGB Percent	0%, 65%, 73%
CMY	0.9998, 0.3490, 0.2667
CMYK	1.00, 0.11, 0.00, 0.27
HSL	187°, 100%, 37%
HSV	187°, 100%, 73%
XYZ	22.6059, 30.8603, 51.7789
YIQ	118.7600, -105.6770, -28.6610

Conversions

Conversions Part 2

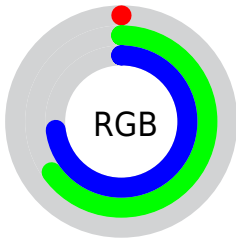
Format	Color
RYB	0, 88, 187
Decimal	42683
CIELab	62.39, -28.10, -20.95
CIElCh	62, 35.051, 216.714
Yxy	30.8603, 0.2148, 0.2932
Android (android.graphics.Color)	4278232763 (0xFF00A6BB)
YUV	118.7600, 33.6423, -104.1525
Hunter-Lab	55.5520, -24.5787, -16.3765

Details

The XYZ color **22.6059, 30.8603, 51.7789** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.7629, 11.1028, 1.0499**, and the grayscale version is **17.3841, 18.2895, 19.9172**.

A 20% lighter version of the original color is **47.0711, 60.7806, 94.0449**, and **10.3204, 13.7559, 24.6655** is the 20% darker color. If you saturate the color by 10%, you get **22.6055, 30.8594, 51.7793**, and if you desaturate by 10%, it is **23.2549, 31.7669, 51.9203**.

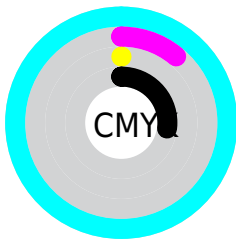
Distribution



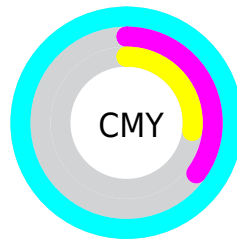
- Red (0%)
- Green (65%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6059, 30.8603, 51.7789 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 22.6059, 30.8603, 51.7789 by changing the saturation by 10% instead.

■ 22.6059, 30.8603,
51.7789

■ 22.6059, 30.8603,
51.7789

■ 258.2676,
305.8942, 410.5151

■ 14.4219, 20.4925,
36.4478

■ 47.2168, 61.0201,
94.2283

■ 8.4983, 12.7535,
24.4878

■ 64.3745, 81.5808,
122.1838

■ 4.4699, 7.2591,
15.4804

■ 85.2540, 106.3080,
155.1845

■ 1.9713, 3.6246,
9.0068

■ 110.2208,
135.5860, 193.6489

■ 0.6177, 1.4659,
4.6488

■ 139.6402,
169.7992, 237.9957

■ 0.0000, 0.2645,
1.9876

■ 173.8775,

■ 0.0000, 0.0000,

209.3321, 288.6432

0.5476

213.2982,
254.5689, 346.0102

■ 0.0000, 0.0000,
0.0000

■ 22.6059, 30.8603,
51.7789

■ 22.6059, 30.8603,
51.7789

■ 22.6055, 30.8594,
51.7793

■ 23.2549, 31.7669,
51.9203

■ 24.1615, 32.8150,
52.0748

■ 25.4189, 34.0534,
52.2476

■ 27.0732, 35.5057,
52.4407

■ 29.1634, 37.1921,
52.6560

■ 31.7236, 39.1304,
52.8952

■ 34.7848, 41.3364,
53.1597

■ 38.3751, 43.8247,
53.4507

■ 42.5205, 46.6088,
53.7696

Harmonies

Analogous

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



21.1680, 30.8603, 36.7518



22.6059, 30.8603, 51.7789



25.8692, 30.8603, 63.7898

Triad

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



22.6059, 30.8603, 51.7789



38.5409, 30.8603, 45.0321



28.2774, 30.8603, 13.7511

Complementary

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



22.6059, 30.8603, 51.7789



20.7629, 11.1028, 1.0499

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.



33.0904, 30.8603, 14.8543



22.6059, 30.8603, 51.7789



39.3636, 30.8603, 30.6368

Square

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



22.6059, 30.8603, 51.7789



35.1344, 30.8603, 59.2173



37.2747, 30.8603, 20.2706



24.2061, 30.8603, 16.6997

Rectangle

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



22.6059, 30.8603, 51.7789



28.8117, 30.8603, 67.0425



37.2747, 30.8603, 20.2706



29.8581, 30.8603, 13.6761

Sweetspot

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



22.6069, 30.8614, 51.7797



61.9981, 73.8200, 95.1824



17.8864, 35.5875, 6.5308



13.1211, 15.8769, 20.9156



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.6069, 30.8614, 51.7797



40.3755, 55.0476, 92.6986



11.4745, 8.5967, 48.0689



9.7146, 10.6215, 12.2104



15.6084, 21.3285, 35.6871



0.6378, 0.8882, 1.4067

Inverse Universe

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



27.3774, 13.3191, 37.2053



48.9748, 23.8299, 66.3360



26.3122, 22.2014, 2.8997



9.8826, 9.6773, 11.7705



18.8792, 9.1828, 25.7210



0.7528, 0.3650, 1.0776

Previews

White Background



This preview shows how the XYZ color 22.6059, 30.8603, 51.7789 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.6059, 30.8603, 51.7789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

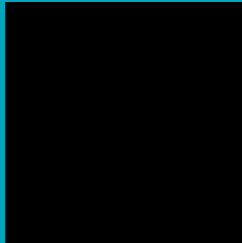
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6059, 30.8603, 51.7789

Background



This preview shows how black text looks on a background with the XYZ color 22.6059, 30.8603, 51.7789.



This preview shows how white text looks on a background with the XYZ color 22.6059, 30.8603,

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

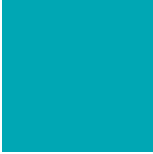
22.6059, 30.8603, 51.7789

Protanopia

30.1624, 30.6098, 44.8760

Deuteranopia

31.1654, 30.4687, 53.5287



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

22.6059, 30.8603, 51.7789



Protanomaly

24.2717, 28.9727, 46.9609



Deuteranomaly

25.1642, 29.0531, 52.9967



Tritanomaly

22.3660, 31.0563, 49.6154

Monochromacy



Original Color

22.6059, 30.8603, 51.7789



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.8187, 21.1584, 29.5831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6059, 30.8603, 51.7789 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(0, 166, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 187)  
}
```

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(0, 166, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.6059, 30.8603, 51.7789 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(0, 166, 187) }
```


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

```
.border{ border-color:rgb(0, 166, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6059, 30.8603, 51.7789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 187) }
```

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

```
.background{ background-color: rgb(0, 166,  
187) }
```

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