

Converting Colors

XYZ(30.2865, 44.7553, 58.8594)

Have a look what the booklet for
XYZ(30.2865, 44.7553, 58.8594)
contains.

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Color

**XYZ(30.2738, 44.7870,
58.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C3
RGB	0, 199, 195
RGB Percent	0%, 78%, 76%
CMY	0.9998, 0.2196, 0.2353
CMYK	1.00, 0.00, 0.02, 0.22
HSL	179°, 100%, 39%
HSV	179°, 100%, 78%
XYZ	30.2738, 44.7870, 58.6789
YIQ	139.0430, -117.3200, -43.4320

Conversions

Conversions Part 2

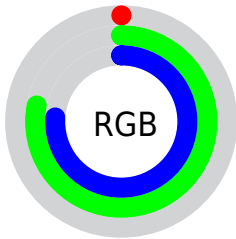
Format	Color
RYB	0, 101, 199
Decimal	51139
CIELab	72.75, -41.08, -9.74
CIELCh	73, 42.222, 193.332
Yxy	44.7870, 0.2264, 0.3349
Android (android.graphics.Color)	4278241219 (0xFF00C7C3)
YUV	139.0430, 27.5868, -121.9407
Hunter-Lab	66.9231, -36.3679, -5.1400

Details

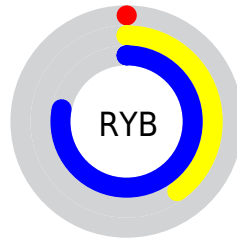
The XYZ color **30.2738, 44.7870, 58.6789** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.5766, 12.1524, 1.2192**, and the grayscale version is **24.4925, 25.7680, 28.0613**.

A 20% lighter version of the original color is **58.9983, 81.4883, 103.8861**, and **14.7810, 21.8696, 28.6415** is the 20% darker color. If you saturate the color by 10%, you get **30.2745, 44.7883, 58.6794**, and if you desaturate by 10%, it is **30.6073, 44.9547, 58.9321**.

Distribution



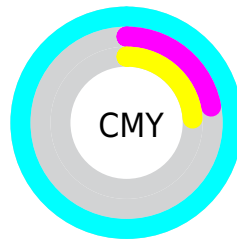
- Red (0%)
- Green (78%)
- Blue (76%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2738, 44.7870, 58.6789 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 30.2738, 44.7870, 58.6789 by changing the saturation by 10% instead.


 30.2738, 44.7870,
58.6789


 30.2738, 44.7870,
58.6789


295.0656,
365.9102, 437.3796


 20.1956, 31.2897,
41.9364


 59.4786, 82.4007,
104.4354


 12.6464, 20.8195,
28.7263


 79.3359, 107.2859,
134.2864


 7.2608, 12.9922,
18.6301


 103.1835,
136.7358, 169.3440

 3.6735, 7.4231,
11.2292

 131.3870,
171.1348, 210.0267

 1.5191, 3.7281,
6.1051

 164.3116,
210.8674, 256.7531

 0.3388, 1.5227,
2.8393

202.3226,

 0.0000, 0.3046,

256.3179, 309.9417

1.0132

245.7855,
307.8707, 370.0110

■ 0.0000, 0.0000,
0.0000

■ 30.2738, 44.7870,
58.6789

■ 30.2738, 44.7870,
58.6789

■ 30.2745, 44.7883,
58.6794

■ 30.6073, 44.9547,
58.9321

■ 31.2345, 45.2727,
59.1987

■ 32.2592, 45.7957,
59.4845

■ 33.7352, 46.5513,
59.7920

■ 35.7081, 47.5631,
60.1235

■ 38.2177, 48.8516,
60.4807

■ 41.3001, 50.4353,
60.8653

■ 44.9880, 52.3311,
61.2789

■ 49.3117, 54.5547,
61.7229

Harmonies

Analogous

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



30.4433, 44.7870, 38.0795



30.2738, 44.7870, 58.6789



33.1173, 44.7870, 82.0427

Triad

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



30.2738, 44.7870, 58.6789



52.9922, 44.7870, 84.4152



46.7407, 44.7870, 19.4158

Complementary

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



30.2738, 44.7870, 58.6789



23.5766, 12.1524, 1.2192

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.



53.6663, 44.7870, 25.9785



30.2738, 44.7870, 58.6789



57.5495, 44.7870, 61.2839

Square

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



30.2738, 44.7870, 58.6789



45.9024, 44.7870, 99.5344



57.8095, 44.7870, 40.0365



39.4004, 44.7870, 19.0886

Rectangle

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



30.2738, 44.7870, 58.6789



36.5509, 44.7870, 94.4642



57.8095, 44.7870, 40.0365



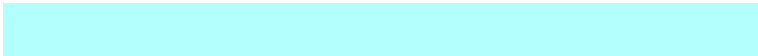
49.2133, 44.7870, 20.8561

Sweetspot

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



30.2751, 44.7887, 58.6800



72.0383, 88.1655, 106.5352



20.5079, 40.8914, 6.8133



14.9023, 18.6055, 22.7402



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.2751, 44.7887, 58.6800



52.9951, 78.4141, 102.6790



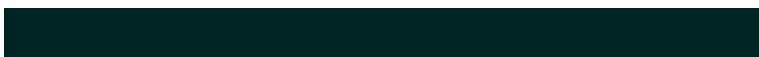
15.4799, 14.4643, 56.0106



10.9372, 12.0637, 13.6192



19.4707, 28.8007, 37.7528



0.9249, 1.3649, 1.8034

Inverse Universe

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



23.5766, 12.1524, 1.2192



41.2681, 21.2712, 2.0780



27.4591, 19.9525, 2.4053



10.6424, 10.6403, 11.1000



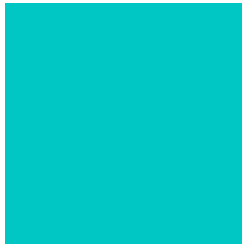
15.1632, 7.8149, 0.8035



0.7211, 0.3713, 0.0543

Previews

White Background



This preview shows how the XYZ color 30.2738, 44.7870, 58.6789 looks on a white background.

Color Contrast Check

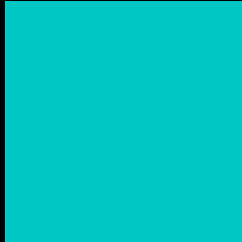
Large Text (above 18pt) WCAG AA × Fail

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 30.2738, 44.7870, 58.6789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

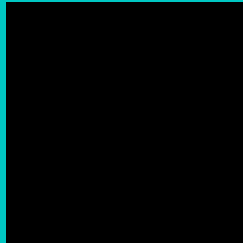
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

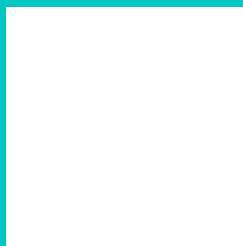
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2738, 44.7870, 58.6789

Background



This preview shows how black text looks on a background with the XYZ color 30.2738, 44.7870, 58.6789.

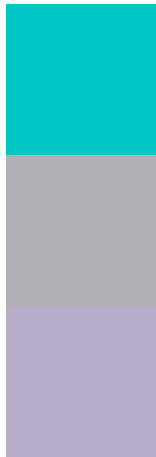


This preview shows how white text looks on a background with the XYZ color 30.2738, 44.7870,

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

30.2738, 44.7870, 58.6789

Protanopia

42.4562, 43.9706, 49.9655

Deuteranopia

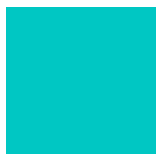
45.0146, 44.1715, 61.4118



Tritanopia

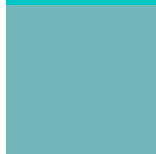
32.4987, 44.6844, 69.1995

Trichromacy



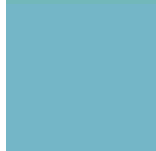
Original Color

30.2738, 44.7870, 58.6789



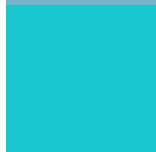
Protanomaly

32.9428, 41.4036, 52.7098



Deuteranomaly

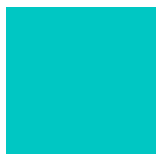
34.2392, 41.2924, 60.1985



Tritanomaly

31.5077, 44.5954, 65.3397

Monochromacy



Original Color

30.2738, 44.7870, 58.6789



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.0274, 30.0676, 37.3909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2738, 44.7870, 58.6789 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, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 195)  
}
```

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, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 195) }
```

Border

The CSS property to change the border of an element to XYZ 30.2738, 44.7870, 58.6789 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, 199, 195) }
```


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

```
.border{ border-color:rgb(0, 199, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2738, 44.7870, 58.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 195) }
```

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

```
.background{ background-color: rgb(0, 199,  
195) }
```

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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