

Converting Colors

XYZ(27.2587, 39.4269, 55.6081)

Have a look what the booklet for
XYZ(27.2587, 39.4269, 55.6081)
contains.

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Color

**XYZ(27.1743, 39.3022,
55.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBBF
RGB	0, 187, 191
RGB Percent	0%, 73%, 75%
CMY	0.9998, 0.2667, 0.2510
CMYK	1.00, 0.02, 0.00, 0.25
HSL	181°, 100%, 37%
HSV	181°, 100%, 75%
XYZ	27.1743, 39.3022, 55.4441
YIQ	131.5430, -112.7360, -38.4000

Conversions

Conversions Part 2

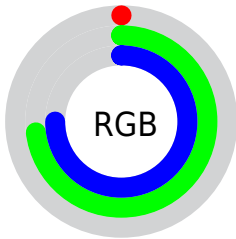
Format	Color
RYB	0, 94, 191
Decimal	48063
CIELab	68.97, -36.86, -13.21
CIELCh	69, 39.154, 199.717
Yxy	39.3022, 0.2229, 0.3224
Android (android.graphics.Color)	4278238143 (0xFF00BBBF)
YUV	131.5430, 29.3123, -115.3632
Hunter-Lab	62.6915, -32.3373, -8.5518

Details

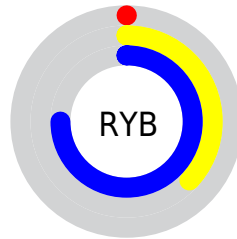
The XYZ color **27.1743, 39.3022, 55.4441** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.5303, 11.1643, 1.0214**, and the grayscale version is **21.6998, 22.8298, 24.8617**.

A 20% lighter version of the original color is **54.6187, 74.2415, 99.4470**, and **12.9750, 18.6100, 26.9530** is the 20% darker color. If you saturate the color by 10%, you get **27.1748, 39.3030, 55.4450**, and if you desaturate by 10%, it is **27.5313, 39.6132, 55.4861**.

Distribution



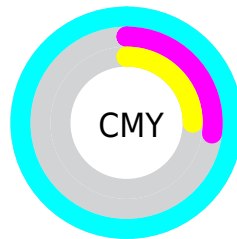
- Red (0%)
- Green (73%)
- Blue (75%)



- Red (0%)
- Yellow (37%)
- Blue (75%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1743, 39.3022, 55.4441 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 27.1743, 39.3022, 55.4441 by changing the saturation by 10% instead.

■ 27.1743, 39.3022,
55.4441

■ 27.1743, 39.3022,
55.4441

280.6522,
343.1736, 424.9225

■ 17.8414, 26.9949,
39.3564

■ 54.5814, 74.0998,
99.6690

■ 10.9352, 17.5694,
26.7271

■ 73.3862, 97.3588,
128.6433

■ 6.0902, 10.6413,
17.1378

■ 96.0792, 125.0372,
162.7501

■ 2.9412, 5.8262,
10.1698

■ 123.0256,
157.5194, 202.4082

■ 1.1228, 2.7397,
5.4046

■ 154.5907,
195.1897, 248.0359

■ 0.0440, 0.9974,
2.4237

191.1399,

■ 0.0000, 0.0000,

238.4326, 300.0518

0.7993

233.0387,
287.6324, 358.8745

■ 0.0000, 0.0000,
0.0000

■ 27.1743, 39.3022,
55.4441

■ 27.1743, 39.3022,
55.4441

■ 27.1748, 39.3030,
55.4450

■ 27.5313, 39.6132,
55.4861

■ 28.1535, 40.0604,
55.5396

■ 29.1375, 40.6946,
55.6101

■ 30.5321, 41.5407,
55.6999

■ 32.3781, 42.6199,
55.8109

■ 34.7117, 43.9508,
55.9448

■ 37.5653, 45.5502,
56.1032

■ 40.9686, 47.4333,
56.2872

■ 44.9490, 49.6142,
56.4984

Harmonies

Analogous

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



26.7639, 39.3022, 36.9558



27.1743, 39.3022, 55.4441



30.1324, 39.3022, 74.6674

Triad

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



27.1743, 39.3022, 55.4441



47.2606, 39.3022, 69.0327



39.5354, 39.3022, 17.1328

Complementary

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



27.1743, 39.3022, 55.4441



21.5303, 11.1643, 1.0214

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.



45.6496, 39.3022, 21.5926



27.1743, 39.3022, 55.4441



50.4272, 39.3022, 49.2155

Square

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



27.1743, 39.3022, 55.4441



41.5450, 39.3022, 83.9014



49.8069, 39.3022, 32.2302



33.4577, 39.3022, 17.9385

Rectangle

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



27.1743, 39.3022, 55.4441



33.3543, 39.3022, 83.7197



49.8069, 39.3022, 32.2302



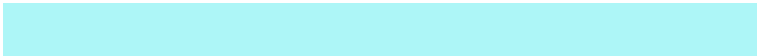
41.6646, 39.3022, 18.0036

Sweetspot

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



27.1755, 39.3036, 55.4451



67.0020, 81.4254, 100.4644



18.6493, 37.2695, 6.3034



14.2127, 17.6008, 22.0335



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.1755, 39.3036, 55.4451



48.6454, 70.3428, 99.2928



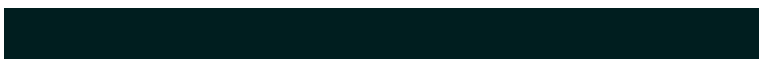
13.2612, 11.4751, 50.8070



9.7910, 10.7743, 12.2358



17.8665, 25.8447, 36.4398



0.7053, 1.0233, 1.4292

Inverse Universe

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



30.4566, 14.6654, 48.2406



54.5339, 26.2589, 86.3328



25.9203, 19.9444, 2.4847



9.9211, 9.6927, 11.9736



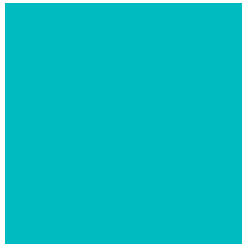
20.0189, 9.6387, 31.7230



0.7869, 0.3787, 1.2572

Previews

White Background



This preview shows how the XYZ color 27.1743, 39.3022, 55.4441 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 27.1743, 39.3022, 55.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

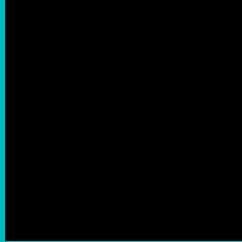
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

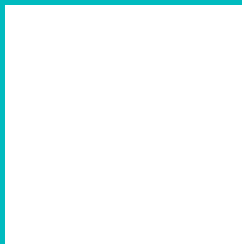
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1743, 39.3022, 55.4441

Background



This preview shows how black text looks on a background with the XYZ color 27.1743, 39.3022, 55.4441.

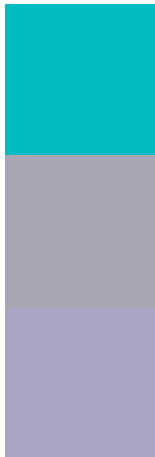


This preview shows how white text looks on a background with the XYZ color 27.1743, 39.3022,

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

27.1743, 39.3022, 55.4441

Protanopia

37.6084, 38.7023, 47.6076

Deuteranopia

39.4232, 38.6149, 57.6002



Tritanopia

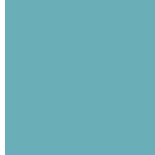
28.6369, 39.6109, 61.3947

Trichromacy



Original Color

27.1743, 39.3022, 55.4441



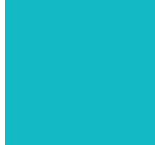
Protanomaly

29.6272, 36.7552, 50.3327



Deuteranomaly

30.6745, 36.5882, 56.4845



Tritanomaly

27.9055, 39.2875, 58.9358

Monochromacy



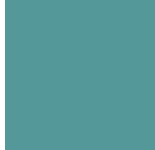
Original Color

27.1743, 39.3022, 55.4441



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.6342, 26.6412, 34.1917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1743, 39.3022, 55.4441 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, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 191)  
}
```

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, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 191) }
```

Border

The CSS property to change the border of an element to XYZ 27.1743, 39.3022, 55.4441 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, 187, 191) }
```


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

```
.border{ border-color:rgb(0, 187, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1743, 39.3022, 55.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 191) }
```

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

```
.background{ background-color: rgb(0, 187,  
191) }
```

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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