

# Converting Colors

XYZ(24.3219, 38.6436, 55.7668)

Have a look what the booklet for  
XYZ(24.3219, 38.6436, 55.7668)  
contains.

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# Color

**XYZ(27.9279, 40.6327,  
56.2401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BEC0
RGB	0, 190, 192
RGB Percent	0%, 75%, 75%
CMY	0.9998, 0.2549, 0.2471
CMYK	1.00, 0.01, 0.00, 0.25
HSL	181°, 100%, 38%
HSV	181°, 100%, 75%
XYZ	27.9279, 40.6327, 56.2401
YIQ	133.4180, -113.8820, -39.6580

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 95, 192
Decimal	48832
CIELab	69.92, -37.93, -12.34
CIELCh	70, 39.884, 198.016
Yxy	40.6327, 0.2238, 0.3256
Android (android.graphics.Color)	4278238912 (0xFF00BEC0)
YUV	133.4180, 28.8809, -117.0076
Hunter-Lab	63.7438, -33.3459, -7.6900

# Details

The XYZ color **27.9279, 40.6327, 56.2401** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **21.7609, 11.2510, 1.0259**, and the grayscale version is **22.3793, 23.5448, 25.6403**.

A 20% lighter version of the original color is **55.7976, 76.1824, 100.5708**, and **13.4644, 19.4724, 27.4750** is the 20% darker color. If you saturate the color by 10%, you get **27.9285, 40.6338, 56.2410**, and if you desaturate by 10%, it is **28.2452, 40.8615, 56.2683**.

# Distribution



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



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9279, 40.6327, 56.2401 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 27.9279, 40.6327, 56.2401 by changing the saturation by 10% instead.



■ 27.9279, 40.6327,  
56.2401

■ 27.9279, 40.6327,  
56.2401

■ 284.2086,  
348.7831, 428.0094

■ 18.4115, 28.0322,  
39.9902

■ 55.7788, 76.1260,  
100.8448

■ 11.3473, 18.3499,  
27.2172

■ 74.8439, 99.7876,  
130.0367

■ 6.3699, 11.2015,  
17.5025

■ 97.8227, 127.9050,  
164.3797

■ 3.1141, 6.2025,  
10.4277

■ 125.0805,  
160.8626, 204.2923

■ 1.2144, 2.9686,  
5.5741

■ 156.9826,  
199.0449, 250.1930

■ 0.1177, 1.1154,  
2.5233

193.8944,

■ 0.0000, 0.0000,

242.8361, 302.5004

0.8525

236.1813,  
292.6207, 361.6330

■ 0.0000, 0.0000,  
0.0000

■ 27.9279, 40.6327,  
56.2401

■ 27.9279, 40.6327,  
56.2401

■ 27.9285, 40.6338,  
56.2410

■ 28.2452, 40.8615,  
56.2683

■ 28.8310, 41.2279,  
56.3081

■ 29.7829, 41.7831,  
56.3651

■ 31.1501, 42.5525,  
56.4416

■ 32.9741, 43.5575,  
56.5394

■ 35.2916, 44.8169,  
56.6604

■ 38.1353, 46.3478,  
56.8060

■ 41.5354, 48.1655,  
56.9776

■ 45.5195, 50.2844,  
57.1766

# Harmonies

## Analogous

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



27.6550, 40.6327, 37.2289



27.9279, 40.6327, 56.2401



30.8603, 40.6327, 76.4762

# Triad

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



27.9279, 40.6327, 56.2401



48.6576, 40.6327, 72.7104



41.2695, 40.6327, 17.6839

# Complementary

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



27.9279, 40.6327, 56.2401



21.7609, 11.2510, 1.0259

# 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.



47.5827, 40.6327, 22.6405



27.9279, 40.6327, 56.2401



52.1570, 40.6327, 52.0850

# Square

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



27.9279, 40.6327, 56.2401



42.6092, 40.6327, 87.6694



51.7430, 40.6327, 34.0847



34.8882, 40.6327, 18.2172



# Rectangle

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



27.9279, 40.6327, 56.2401



34.1348, 40.6327, 86.3408



51.7430, 40.6327, 34.0847



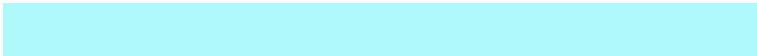
43.4821, 40.6327, 18.6897

# Sweetspot

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



27.9291, 40.6342, 56.2411



68.8158, 83.8270, 102.9135



18.8507, 37.7002, 6.2845



14.2722, 17.7198, 22.0533



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.



27.9291, 40.6342, 56.2411



50.5917, 73.6000, 101.9000



13.6999, 12.1757, 51.4980



10.3593, 11.4099, 12.9412



18.7965, 27.3494, 37.8449



0.8151, 1.1876, 1.6361



# Inverse Universe

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



31.0336, 14.9254, 49.9620



56.2231, 27.0394, 90.4930



25.9236, 19.5763, 2.4135



10.4926, 10.2457, 12.6848



20.8836, 10.0432, 33.6285

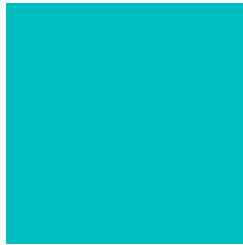


0.9038, 0.4345, 1.4608



# Previews

## White Background



This preview shows how the XYZ color 27.9279, 40.6327, 56.2401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

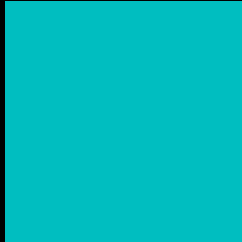
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.9279, 40.6327, 56.2401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

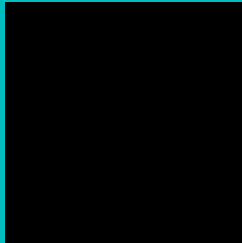
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

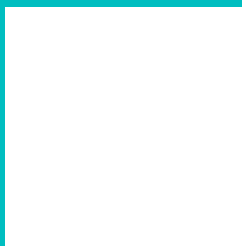
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.9279, 40.6327, 56.2401**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.9279, 40.6327, 56.2401.



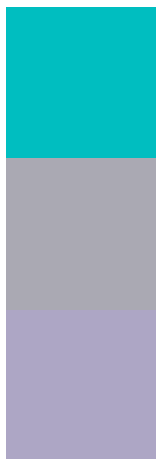
This preview shows how white text looks on a background with the XYZ color 27.9279, 40.6327,



# 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

27.9279, 40.6327, 56.2401

### Protanopia

38.9022, 40.1767, 48.3523

### Deuteranopia

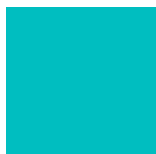
40.9478, 40.1879, 58.4222



## Tritanopia

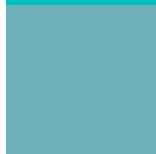
29.4780, 40.6331, 63.4161

# Trichromacy



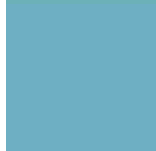
## Original Color

27.9279, 40.6327, 56.2401



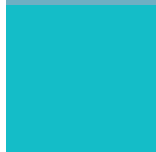
## Protanomaly

30.5582, 38.0931, 51.0895



## Deuteranomaly

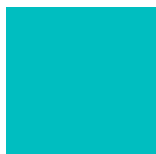
31.6107, 37.9151, 57.2820



## Tritanomaly

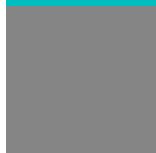
28.9114, 40.7140, 60.9784

# Monochromacy



## Original Color

27.9279, 40.6327, 56.2401



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

21.1346, 27.3756, 34.7420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.9279, 40.6327, 56.2401 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, 190, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 192)  
}
```

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, 190, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 27.9279, 40.6327, 56.2401 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, 190, 192) }
```



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

```
.border{ border-color:rgb(0, 190, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.9279, 40.6327, 56.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 192) }
```

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

```
.background{ background-color: rgb(0, 190,  
192) }
```

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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