

# Converting Colors

XYZ(27.5411, 36.6485, 66.0086)

Have a look what the booklet for  
XYZ(27.5411, 36.6485, 66.0086)  
contains.

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# Color

**XYZ(27.6287, 36.8436,  
65.9769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B3D1
RGB	0, 179, 209
RGB Percent	0%, 70%, 82%
CMY	0.9998, 0.2980, 0.1804
CMYK	1.00, 0.14, 0.00, 0.18
HSL	189°, 100%, 41%
HSV	189°, 100%, 82%
XYZ	27.6287, 36.8436, 65.9769
YIQ	128.8990, -116.3140, -28.6180

# Conversions

## Conversions Part 2

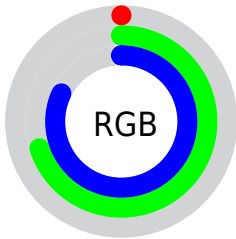
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 209
Decimal	46033
CIELab	67.16, -27.23, -25.86
CIELCh	67, 37.555, 223.525
Yxy	36.8436, 0.2118, 0.2824
Android (android.graphics.Color)	4278236113 (0xFF00B3D1)
YUV	128.8990, 39.4898, -113.0444
Hunter-Lab	60.6989, -24.9742, -21.9562

# Details

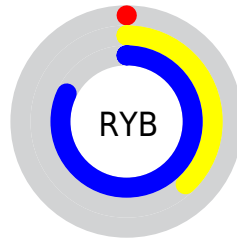
The XYZ color **27.6287, 36.8436, 65.9769** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **26.7606, 14.4866, 1.3872**, and the grayscale version is **20.7319, 21.8115, 23.7528**.

A 20% lighter version of the original color is **53.4673, 69.5797, 105.2199**, and **13.2936, 17.2548, 33.2017** is the 20% darker color. If you saturate the color by 10%, you get **27.6279, 36.8417, 65.9773**, and if you desaturate by 10%, it is **28.5455, 38.2194, 66.1949**.

# Distribution



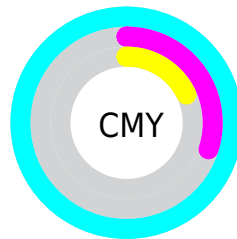
- Red (0%)
- Green (70%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (30%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6287, 36.8436, 65.9769 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 27.6287, 36.8436, 65.9769 by changing the saturation by 10% instead.



■ 27.6287, 36.8436,  
65.9769

■ 27.6287, 36.8436,  
65.9769

282.8008,  
332.6329, 464.6962

■ 18.1850, 25.0864,  
47.7973

■ 55.3039, 70.3322,  
115.0799

■ 11.1834, 16.1415,  
33.3075

■ 74.2661, 92.8324,  
146.8403

■ 6.2585, 9.6243,  
22.0891

■ 97.1318, 119.6823,  
183.9647

■ 3.0450, 5.1506,  
13.7234

■ 124.2664,  
151.2665, 226.8718

■ 1.1776, 2.3359,  
7.7920

■ 156.0352,  
187.9692, 275.9799

■ 0.0886, 0.7926,  
3.8763

192.8037,

■ 0.0000, 0.0000,

230.1750, 331.7076

1.5577

234.9371,  
278.2680, 394.4736

■ 0.0000, 0.0000,  
0.2604

■ 0.0000, 0.0000,  
0.0000

■ 27.6287, 36.8436,  
65.9769

■ 27.6287, 36.8436,  
65.9769

■ 27.6279, 36.8417,  
65.9773

■ 28.5455, 38.2194,  
66.1949

■ 29.8071, 39.7919,  
66.4319

■ 31.5268, 41.6202,  
66.6941

■ 33.7654, 43.7358,  
66.9845

■ 36.5747, 46.1655,  
67.3054

■ 39.9996, 48.9326,  
67.6590

■ 44.0809, 52.0581,  
68.0472

■ 48.8556, 55.5614,  
68.4717

■ 54.3580, 59.4602,  
68.9343

# Harmonies

## Analogous

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



25.3701, 36.8436, 47.9493



27.6287, 36.8436, 65.9769



31.9889, 36.8436, 78.5741

# Triad

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



27.6287, 36.8436, 65.9769



46.6699, 36.8436, 49.7372



32.5072, 36.8436, 16.6100

# Complementary

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



27.6287, 36.8436, 65.9769



26.7606, 14.4866, 1.3872

# 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.



38.2341, 36.8436, 16.8445



27.6287, 36.8436, 65.9769



46.8478, 36.8436, 33.1867

# Square

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



27.6287, 36.8436, 65.9769



43.1590, 36.8436, 67.5892



43.6214, 36.8436, 22.0879



27.9723, 36.8436, 21.3257



# Rectangle

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



27.6287, 36.8436, 65.9769



35.6998, 36.8436, 80.5228



43.6214, 36.8436, 22.0879



34.3464, 36.8436, 16.1616

# Sweetspot

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



27.6299, 36.8449, 65.9778



68.8808, 81.4558, 106.6999



23.0099, 45.6852, 8.6983



14.1349, 16.9743, 22.7813



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

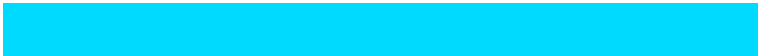


# Same Dimension

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



27.6299, 36.8449, 65.9778



43.2227, 57.5654, 103.4409



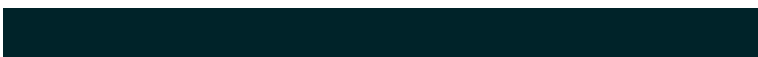
14.1399, 9.8648, 61.4811



12.0077, 13.1056, 15.1404



17.0900, 22.8265, 40.6977



0.9961, 1.3574, 2.2891



# Inverse Universe

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



34.4322, 16.8113, 44.0791



53.9460, 26.3424, 68.8389



34.5987, 30.1628, 3.9999



12.2348, 11.9786, 14.5121



21.2570, 10.3756, 27.3230



1.2090, 0.5883, 1.6355



# Previews

## White Background



This preview shows how the XYZ color 27.6287, 36.8436, 65.9769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

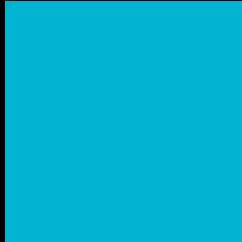
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.6287, 36.8436, 65.9769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

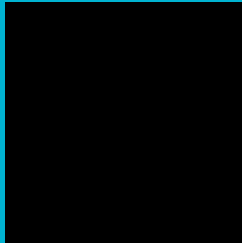
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.6287, 36.8436, 65.9769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.6287, 36.8436, 65.9769.



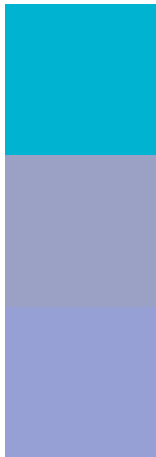
This preview shows how white text looks on a background with the XYZ color 27.6287, 36.8436,



# 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

27.6287, 36.8436, 65.9769

### Protanopia

36.2262, 36.4438, 57.3496

### Deuteranopia

37.3435, 36.5250, 68.0326



## Tritanopia

26.3742, 36.9879, 57.3791

# Trichromacy



## Original Color

27.6287, 36.8436, 65.9769



## Protanomaly

29.6908, 34.8750, 60.4250



## Deuteranomaly

30.5263, 34.8777, 67.4105



## Tritanomaly

26.7466, 36.8126, 60.3394

# Monochromacy



## Original Color

27.6287, 36.8436, 65.9769



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

20.0849, 25.1299, 36.1397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.6287, 36.8436, 65.9769 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, 179, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 209)  
}
```

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, 179, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 27.6287, 36.8436, 65.9769 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, 179, 209) }
```



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

```
.border{ border-color:rgb(0, 179, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.6287, 36.8436, 65.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 209) }
```

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

```
.background{ background-color: rgb(0, 179,  
209) }
```

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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