

Converting Colors

XYZ(27.3317, 34.9925, 69.6048)

Have a look what the booklet for
XYZ(27.3317, 34.9925, 69.6048)
contains.

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Color

**XYZ(27.2343, 34.8063,
69.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	02ADD7
RGB	2, 173, 215
RGB Percent	1%, 68%, 84%
CMY	0.9920, 0.3216, 0.1569
CMYK	0.99, 0.20, 0.00, 0.16
HSL	192°, 98%, 43%
HSV	192°, 99%, 84%
XYZ	27.2343, 34.8063, 69.5729
YIQ	126.6590, -115.3980, -23.1900

Conversions

Conversions Part 2

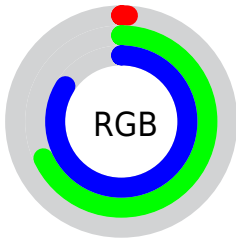
Format	Color
R _Y B	2, 97, 215
Decimal	175575
CIE Lab	65.60, -22.08, -31.58
CIE LCh	66, 38.532, 235.035
Yxy	34.8063, 0.2069, 0.2645
Android (android.graphics.Color)	4278365655 (0xFF02ADD7)
YUV	126.6590, 43.5521, -109.3259
Hunter-Lab	58.9969, -20.8448, -28.6208

Details

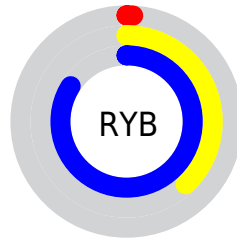
The XYZ color **27.2343, 34.8063, 69.5729** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.9383, 16.2566, 1.6715**, and the grayscale version is **19.9453, 20.9840, 22.8516**.

A 20% lighter version of the original color is **51.7782, 66.2017, 104.6569**, and **13.0616, 15.9710, 35.6520** is the 20% darker color. If you saturate the color by 10%, you get **27.1325, 34.6396, 69.5468**, and if you desaturate by 10%, it is **28.4020, 36.6352, 69.8651**.

Distribution



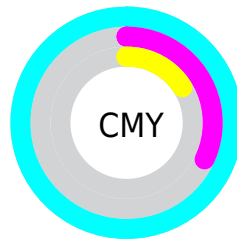
- Red (1%)
- Green (68%)
- Blue (84%)



- Red (1%)
- Yellow (38%)
- Blue (84%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (99%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2343, 34.8063, 69.5729 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 27.2343, 34.8063, 69.5729 by changing the saturation by 10% instead.

■ 27.2343, 34.8063,
69.5729

■ 27.2343, 34.8063,
69.5729

280.9367,
323.7125, 477.7975

■ 17.8868, 23.5137,
50.7038

■ 54.6769, 67.1856,
120.2749

■ 10.9679, 14.9733,
35.5978

■ 73.5026, 89.0411,
152.9448

■ 6.1124, 8.8006,
23.8365

■ 96.2184, 115.1863,
191.0521

■ 2.9549, 4.6114,
15.0013

■ 123.1897,
146.0057, 235.0152

■ 1.1299, 2.0211,
8.6737

■ 154.7818,
181.8836, 285.2528

■ 0.0499, 0.6197,
4.4351

191.3601,

■ 0.0000, 0.0000,

223.2044, 342.1834

1.8669

233.2900,
270.3526, 406.2254

■ 0.0000, 0.0000,
0.4716

■ 0.0000, 0.0000,
0.0000

■ 27.2343, 34.8063,
69.5729

■ 27.2343, 34.8063,
69.5729

■ 27.1325, 34.6396,
69.5468

■ 28.4020, 36.6352,
69.8651

■ 29.9724, 38.7097,
70.1827

■ 32.0504, 41.0850,
70.5317

■ 34.7005, 43.7945,
70.9150

■ 37.9775, 46.8668,
71.3353

■ 41.9293, 50.3270,
71.7949

■ 46.5993, 54.1977,
72.2959

■ 52.0270, 58.4998,
72.8402

■ 58.2491, 63.2523,
73.4296

Harmonies

Analogous

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



24.1764, 34.8063, 52.6615



27.2343, 34.8063, 69.5729



32.1502, 34.8063, 78.1552

Triad

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



27.2343, 34.8063, 69.5729



45.1397, 34.8063, 40.6577



28.6913, 34.8063, 16.1066

Complementary

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



27.2343, 34.8063, 69.5729



28.9383, 16.2566, 1.6715

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.



34.0324, 34.8063, 14.5706



27.2343, 34.8063, 69.5729



43.9440, 34.8063, 26.1892

Square

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



27.2343, 34.8063, 69.5729



42.8166, 34.8063, 58.6910



39.7128, 34.8063, 17.6786



24.9480, 34.8063, 22.7073

Rectangle

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



27.2343, 34.8063, 69.5729



35.9837, 34.8063, 76.6276



39.7128, 34.8063, 17.6786



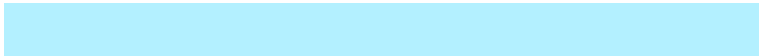
30.3413, 34.8063, 15.0781

Sweetspot

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



27.2355, 34.8075, 69.5738



67.6594, 79.0129, 106.2927



24.7282, 48.7754, 10.2173



13.8397, 16.3839, 22.6829



0.0000, 0.0000, 0.0000



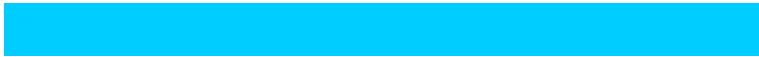
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2355, 34.8075, 69.5738



39.8116, 50.7432, 102.3039



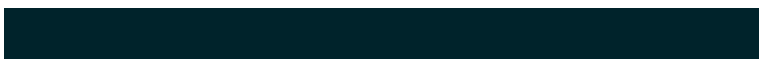
14.4495, 9.2356, 65.3118



12.5744, 13.6723, 15.9138



16.3040, 20.8698, 41.6221



1.0377, 1.3674, 2.5285

Inverse Universe

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



35.5899, 17.5089, 41.0400



52.2243, 25.6537, 59.7723



38.5578, 35.4957, 4.8780



12.8432, 12.5888, 15.1143



21.2884, 10.4517, 24.6204



1.3114, 0.6414, 1.6293

Previews

White Background



This preview shows how the XYZ color 27.2343, 34.8063, 69.5729 looks on a white background.

Color Contrast Check

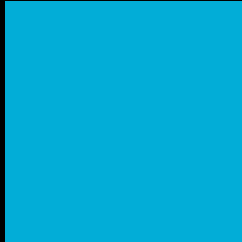
Large Text (above 18pt) WCAG AA × Fail

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 27.2343, 34.8063, 69.5729 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

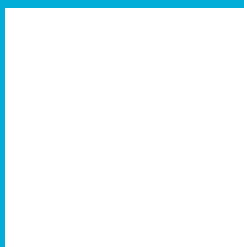
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2343, 34.8063, 69.5729

Background



This preview shows how black text looks on a background with the XYZ color 27.2343, 34.8063, 69.5729.

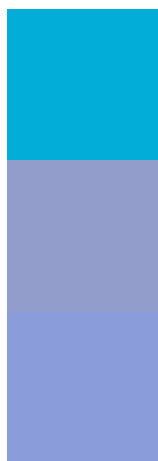


This preview shows how white text looks on a background with the XYZ color 27.2343, 34.8063,

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

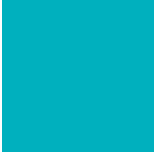
27.2343, 34.8063, 69.5729

Protanopia

34.6905, 34.5367, 61.3378

Deuteranopia

35.3221, 34.3804, 71.7922



Tritanopia

24.8196, 34.7684, 54.1180

Trichromacy



Original Color

27.2343, 34.8063, 69.5729



Protanomaly

28.9758, 33.0791, 63.8892



Deuteranomaly

29.6950, 33.0265, 71.1393



Tritanomaly

25.6513, 34.7899, 59.3960

Monochromacy



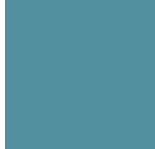
Original Color

27.2343, 34.8063, 69.5729



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.7109, 24.2436, 36.4415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2343, 34.8063, 69.5729 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(2, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(2, 173, 215)  
}
```

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(2, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 173, 215) }
```

Border

The CSS property to change the border of an element to XYZ 27.2343, 34.8063, 69.5729 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(2, 173, 215) }
```


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

```
.border{ border-color:rgb(2, 173, 215) }
```

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

Here you see how a box with a 4 pixel rgb(2, 173, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(2, 173,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2343, 34.8063, 69.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 173, 215) }
```

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

```
.background{ background-color: rgb(2, 173,  
215) }
```

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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