

Converting Colors

XYZ(24.3850, 34.0387, 68.7600)

Have a look what the booklet for
XYZ(24.3850, 34.0387, 68.7600)
contains.

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Color

**XYZ(27.4676, 35.5150,
69.0257)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFD6
RGB	0, 175, 214
RGB Percent	0%, 69%, 84%
CMY	0.9998, 0.3137, 0.1608
CMYK	1.00, 0.18, 0.00, 0.16
HSL	191°, 100%, 42%
HSV	191°, 100%, 84%
XYZ	27.4676, 35.5150, 69.0257
YIQ	127.1210, -116.8190, -24.9710

Conversions

Conversions Part 2

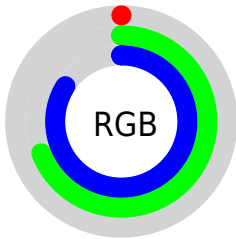
Format	Color
RYB	0, 96, 214
Decimal	45014
CIELab	66.15, -23.51, -30.18
CIELCh	66, 38.255, 232.072
Yxy	35.5150, 0.2081, 0.2690
Android (android.graphics.Color)	4278235094 (0xFF00AFD6)
YUV	127.1210, 42.8313, -111.4851
Hunter-Lab	59.5945, -22.0181, -26.9569

Details

The XYZ color **27.4676, 35.5150, 69.0257** 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 **28.4594, 15.7509, 1.5418**, and the grayscale version is **20.1065, 21.1536, 23.0363**.

A 20% lighter version of the original color is **52.3348, 67.3149, 104.8425**, and **13.2175, 16.4223, 35.2741** is the 20% darker color. If you saturate the color by 10%, you get **27.4662, 35.5121, 69.0259**, and if you desaturate by 10%, it is **28.5574, 37.2209, 69.2982**.

Distribution



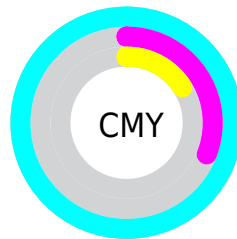
- Red (0%)
- Green (69%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4676, 35.5150, 69.0257 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 27.4676, 35.5150, 69.0257 by changing the saturation by 10% instead.

■ 27.4676, 35.5150,
69.0257

■ 27.4676, 35.5150,
69.0257

282.0405,
326.8357, 475.8180

■ 18.0631, 24.0599,
50.2608

■ 55.0479, 68.2828,
119.4863

■ 11.0953, 15.3780,
35.2480

■ 73.9545, 90.3643,
152.0191

■ 6.1987, 9.0851,
23.5689

■ 96.7591, 116.7566,
189.9782

■ 3.0081, 4.7967,
14.8049

■ 123.8271,
147.8443, 233.7822

■ 1.1580, 2.1285,
8.5375

■ 155.5239,
184.0116, 283.8497

■ 0.0729, 0.6806,
4.3481

192.2148,

■ 0.0000, 0.0000,

225.6431, 340.5991

1.8182

234.2653,
273.1229, 404.4490

■ 0.0000, 0.0000,
0.4399

■ 0.0000, 0.0000,
0.0000

■ 27.4676, 35.5150,
69.0257

■ 27.4676, 35.5150,
69.0257

■ 27.4662, 35.5121,
69.0259

■ 28.5574, 37.2209,
69.2982

■ 30.0210, 39.1517,
69.5938

■ 31.9764, 41.3691,
69.9187

■ 34.4886, 43.9070,
70.2762

■ 37.6124, 46.7937,
70.6687

■ 41.3957, 50.0543,
71.0987

■ 45.8816, 53.7112,
71.5681

■ 51.1095, 57.7850,
72.0789

■ 57.1159, 62.2947,
72.6328

Harmonies

Analogous

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



24.5981, 35.5150, 51.6801



27.4676, 35.5150, 69.0257



32.2693, 35.5150, 78.7474

Triad

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



27.4676, 35.5150, 69.0257



45.7933, 35.5150, 43.1544



29.8092, 35.5150, 16.2939

Complementary

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



27.4676, 35.5150, 69.0257



28.4594, 15.7509, 1.5418

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.



35.2875, 35.5150, 15.1971



27.4676, 35.5150, 69.0257



44.9441, 35.5150, 28.0497

Square

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



27.4676, 35.5150, 69.0257



43.1425, 35.5150, 61.3044



40.9375, 35.5150, 18.8456



25.8404, 35.5150, 22.4304

Rectangle

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



27.4676, 35.5150, 69.0257



36.0963, 35.5150, 78.1168



40.9375, 35.5150, 18.8456



31.5190, 35.5150, 15.4092

Sweetspot

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



27.4688, 35.5162, 69.0266



67.9967, 79.6876, 106.4052



24.3616, 48.2196, 9.6694



13.9211, 16.5467, 22.7101



0.0000, 0.0000, 0.0000



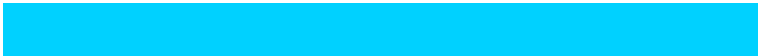
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4688, 35.5162, 69.0266



40.7324, 52.5847, 102.6108



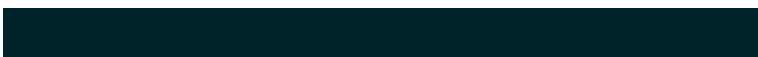
14.4152, 9.4091, 64.6754



12.5908, 13.7049, 15.9192



16.6717, 21.6052, 41.7447



1.0568, 1.4056, 2.5349

Inverse Universe

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



35.4705, 17.3927, 42.0462



52.6890, 25.8396, 62.2197



37.5074, 33.8470, 4.5578



12.8514, 12.5921, 15.1576



21.4740, 10.5259, 25.5977



1.3211, 0.6452, 1.6801

Previews

White Background



This preview shows how the XYZ color 27.4676, 35.5150, 69.0257 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 27.4676, 35.5150, 69.0257 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

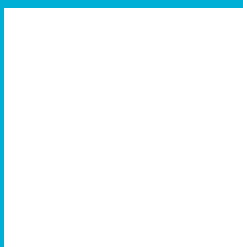
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4676, 35.5150, 69.0257

Background



This preview shows how black text looks on a background with the XYZ color 27.4676, 35.5150, 69.0257.

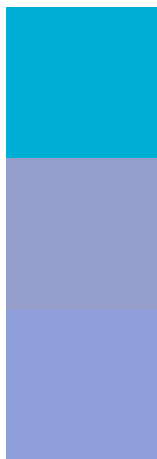


This preview shows how white text looks on a background with the XYZ color 27.4676, 35.5150,

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

27.4676, 35.5150, 69.0257

Protanopia

35.2820, 35.1075, 60.7940

Deuteranopia

36.0371, 35.2665, 71.2374



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



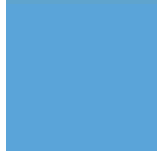
Original Color

27.4676, 35.5150, 69.0257



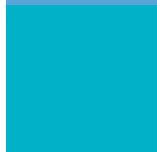
Protanomaly

29.1354, 33.4400, 63.3115



Deuteranomaly

30.0163, 33.7343, 70.5750



Tritanomaly

26.1475, 35.6144, 60.1397

Monochromacy



Original Color

27.4676, 35.5150, 69.0257



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.6246, 24.1991, 36.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4676, 35.5150, 69.0257 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, 175, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 214)  
}
```

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, 175, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.4676, 35.5150, 69.0257 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, 175, 214) }
```


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

```
.border{ border-color:rgb(0, 175, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4676, 35.5150, 69.0257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 214) }
```

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

```
.background{ background-color: rgb(0, 175,  
214) }
```

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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