

Converting Colors

XYZ(27.6825, 35.9373, 68.4305)

Have a look what the booklet for
XYZ(27.6825, 35.9373, 68.4305)
contains.

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Color

**XYZ(27.6736, 35.9259,
68.4266)**

Conversions

Conversions Part 1

Format	Color
Hex	0BB0D5
RGB	11, 176, 213
RGB Percent	4%, 69%, 84%
CMY	0.9567, 0.3098, 0.1647
CMYK	0.95, 0.17, 0.00, 0.16
HSL	191°, 90%, 44%
HSV	191°, 95%, 84%
XYZ	27.6736, 35.9259, 68.4266
YIQ	130.8830, -110.2170, -23.4730

Conversions

Conversions Part 2

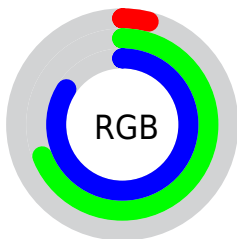
Format	Color
R _{YB}	11, 102, 213
Decimal	766165
CIE Lab	66.46, -24.05, -29.13
CIE LCh	66, 37.777, 230.459
Yxy	35.9259, 0.2096, 0.2721
Android (android.graphics.Color)	4278956245 (0xFF0BB0D5)
YUV	130.8830, 40.4837, -105.1374
Hunter-Lab	59.9382, -22.4781, -25.7298

Details

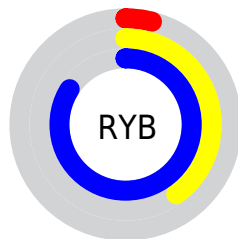
The XYZ color **27.6736, 35.9259, 68.4266** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.5605, 16.2885, 1.9568**, and the grayscale version is **21.4258, 22.5416, 24.5478**.

A 20% lighter version of the original color is **52.8505, 67.9974, 104.9470**, and **13.2545, 16.6345, 34.8600** is the 20% darker color. If you saturate the color by 10%, you get **27.1421, 35.0676, 68.2897**, and if you desaturate by 10%, it is **28.9190, 37.7208, 68.7081**.

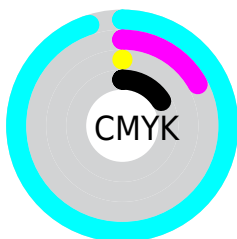
Distribution



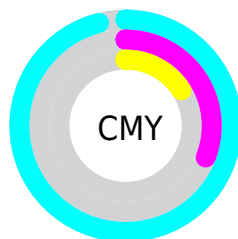
- Red (4%)
- Green (69%)
- Blue (84%)



- Red (4%)
- Yellow (40%)
- Blue (84%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (96%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6736, 35.9259, 68.4266 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 27.6736, 35.9259, 68.4266 by changing the saturation by 10% instead.

■ 27.6736, 35.9259,
68.4266

■ 27.6736, 35.9259,
68.4266

283.0124,
328.6366, 473.6450

■ 18.2190, 24.3770,
49.7760

■ 55.3752, 68.9177,
118.6222

■ 11.2079, 15.6135,
34.8655

■ 74.3529, 91.1293,
151.0043

■ 6.2752, 9.2511,
23.2766

■ 97.2356, 117.6640,
188.8006

■ 3.0554, 4.9053,
14.5907

■ 124.3887,
148.9061, 232.4298

■ 1.1831, 2.1918,
8.3892

■ 156.1776,
185.2400, 282.3102

■ 0.0930, 0.7155,
4.2536

192.9676,

■ 0.0000, 0.0000,

227.0501, 338.8606

1.7655

235.1241,
274.7208, 402.4993

■ 0.0000, 0.0000,
0.4051

■ 0.0000, 0.0000,
0.0000

■ 27.6736, 35.9259,
68.4266

■ 27.6736, 35.9259,
68.4266

■ 27.1421, 35.0676,
68.2897

■ 28.9190, 37.7208,
68.7081

■ 30.6134, 39.7796,
69.0162

■ 32.8293, 42.1403,
69.3551

■ 35.6251, 44.8335,
69.7276

■ 39.0512, 47.8852,
70.1360

■ 43.1523, 51.3189,
70.5827

■ 47.9690, 55.1558,
71.0694

■ 53.5388, 59.4153,
71.5980

■ 59.8962, 64.1155,
72.1701

Harmonies

Analogous

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



24.9278, 35.9259, 51.0597



27.6736, 35.9259, 68.4266



32.3735, 35.9259, 78.6279

Triad

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



27.6736, 35.9259, 68.4266



46.0480, 35.9259, 44.5165



30.4805, 35.9259, 16.5723

Complementary

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



27.6736, 35.9259, 68.4266



28.5605, 16.2885, 1.9568

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.



35.9831, 35.9259, 15.7211



27.6736, 35.9259, 68.4266



45.3967, 35.9259, 29.1992

Square

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



27.6736, 35.9259, 68.4266



43.2495, 35.9259, 62.5151



41.5574, 35.9259, 19.6620



26.4197, 35.9259, 22.4350

Rectangle

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



27.6736, 35.9259, 68.4266



36.1613, 35.9259, 78.4898



41.5574, 35.9259, 19.6620



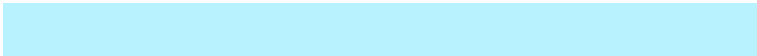
32.2079, 35.9259, 15.7684

Sweetspot

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



27.6748, 35.9272, 68.4275



69.4495, 80.8171, 106.5466



24.4013, 47.8477, 10.4028



14.1965, 16.7640, 22.7375



0.0000, 0.0000, 0.0000



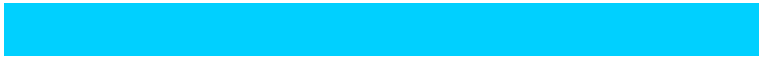
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6748, 35.9272, 68.4275



40.6747, 52.4694, 102.5916



14.8996, 10.3768, 64.1691



12.5897, 13.7029, 15.9189



16.6487, 21.5592, 41.7370



1.0556, 1.4032, 2.5345

Inverse Universe

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



35.3978, 17.5215, 42.5917



52.6599, 25.8280, 62.0665



37.7318, 34.6311, 5.0139



12.8509, 12.5918, 15.1549



21.4624, 10.5213, 25.5366



1.3205, 0.6450, 1.6769

Previews

White Background



This preview shows how the XYZ color 27.6736, 35.9259, 68.4266 looks on a white background.

Color Contrast Check

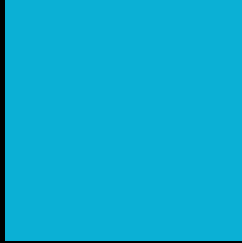
Large Text (above 18pt) WCAG AA × Fail

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 27.6736, 35.9259, 68.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

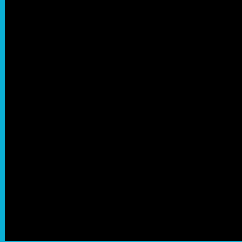
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6736, 35.9259, 68.4266

Background



This preview shows how black text looks on a background with the XYZ color 27.6736, 35.9259, 68.4266.



This preview shows how white text looks on a background with the XYZ color 27.6736, 35.9259,

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

27.6736, 35.9259, 68.4266

Protanopia

35.5184, 35.4974, 60.2380

Deuteranopia

36.2528, 35.3928, 70.5664



Tritanopia

25.5460, 35.6910, 55.9947

Trichromacy



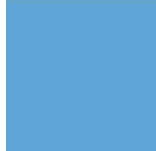
Original Color

27.6736, 35.9259, 68.4266



Protanomaly

29.6202, 33.9707, 62.7535



Deuteranomaly

30.6737, 34.3549, 69.9802



Tritanomaly

26.1975, 35.6402, 60.1421

Monochromacy



Original Color

27.6736, 35.9259, 68.4266



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.7972, 25.4669, 37.5377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6736, 35.9259, 68.4266 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(11, 176, 213)` looks like.

```
.text, #text, p{  
    color:rgb(11, 176, 213)  
}
```

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(11, 176, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 176, 213) }
```

Border

The CSS property to change the border of an element to XYZ 27.6736, 35.9259, 68.4266 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(11, 176, 213) }
```


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

```
.border{ border-color:rgb(11, 176, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 176, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 176, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 176, 213);  
box-shadow:4px 4px 4px 4px rgb(11, 176,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6736, 35.9259, 68.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 176, 213) }
```

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

```
.background{ background-color: rgb(11, 176,  
213) }
```

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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