

Converting Colors

XYZ(28.8955, 36.8223, 76.2007)

Have a look what the booklet for
XYZ(28.8955, 36.8223, 76.2007)
contains.

XYZ(29.1767, 36.8261, 76.0914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1767, 36.8261,
76.0914)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1E0
RGB	0, 177, 224
RGB Percent	0%, 69%, 88%
CMY	0.9998, 0.3059, 0.1216
CMYK	1.00, 0.21, 0.00, 0.12
HSL	193°, 100%, 44%
HSV	193°, 100%, 88%
XYZ	29.1767, 36.8261, 76.0914
YIQ	129.4350, -120.5790, -22.9070

Conversions

Conversions Part 2

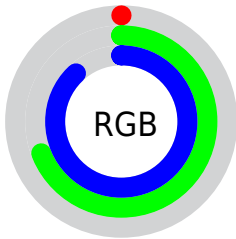
Format	Color
RYB	0, 99, 224
Decimal	45536
CIELab	67.15, -21.10, -34.13
CIELCh	67, 40.123, 238.272
Yxy	36.8261, 0.2053, 0.2592
Android (android.graphics.Color)	4278235616 (0xFF00B1E0)
YUV	129.4350, 46.6205, -113.5145
Hunter-Lab	60.6845, -20.3763, -31.8637

Details

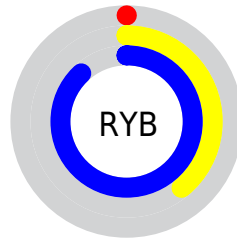
The XYZ color **29.1767, 36.8261, 76.0914** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.7599, 17.8852, 1.7799**, and the grayscale version is **20.8971, 21.9853, 23.9420**.

A 20% lighter version of the original color is **53.1328, 68.5620, 105.0411**, and **14.3691, 17.2799, 40.1141** is the 20% darker color. If you saturate the color by 10%, you get **29.1748, 36.8222, 76.0915**, and if you desaturate by 10%, it is **30.4630, 38.8922, 76.4231**.

Distribution



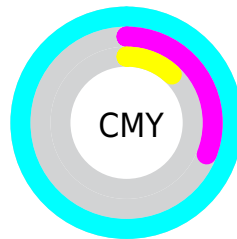
- Red (0%)
- Green (69%)
- Blue (88%)



- Red (0%)
- Yellow (39%)
- Blue (88%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (31%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1767, 36.8261, 76.0914 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 29.1767, 36.8261, 76.0914 by changing the saturation by 10% instead.

■ 29.1767, 36.8261,
76.0914

■ 29.1767, 36.8261,
76.0914

290.0269,
332.5570, 501.0157

■ 19.3595, 25.0729,
56.0004

■ 57.7533, 70.3052,
129.6174

■ 12.0359, 16.1314,
39.7992

■ 77.2435, 92.8000,
163.8894

■ 6.8405, 9.6172,
27.0694

■ 100.6886,
119.6440, 203.7254

■ 3.4080, 5.1459,
17.3925

■ 128.4541,
151.2216, 249.5441

■ 1.3730, 2.3331,
10.3498

■ 160.9053,
187.9174, 301.7639

■ 0.2369, 0.7911,
5.5229

198.4077,

■ 0.0000, 0.0000,

230.1156, 360.8034

2.4931

241.3264,
278.2007, 427.0812

■ 0.0000, 0.0000,
0.8365

■ 0.0000, 0.0000,
0.0000

■ 29.1767, 36.8261,
76.0914

■ 29.1767, 36.8261,
76.0914

■ 29.1748, 36.8222,
76.0915

■ 30.4630, 38.8922,
76.4231

■ 32.1749, 41.2250,
76.7832

■ 34.4410, 43.8919,
77.1785

■ 37.3343, 46.9311,
77.6127

■ 40.9163, 50.3746,
78.0885

■ 45.2408, 54.2506,
78.6087

■ 50.3561, 58.5845,
79.1757

■ 56.3065, 63.3995,
79.7914

■ 63.1327, 68.7170,
80.4580

Harmonies

Analogous

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



25.6360, 36.8261, 58.2517



29.1767, 36.8261, 76.0914



34.6488, 36.8261, 84.0420

Triad

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



29.1767, 36.8261, 76.0914



48.1165, 36.8261, 41.1213



29.7240, 36.8261, 17.1543

Complementary

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



29.1767, 36.8261, 76.0914



31.7599, 17.8852, 1.7799

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.



35.3578, 36.8261, 14.9815



29.1767, 36.8261, 76.0914



46.4099, 36.8261, 26.1711

Square

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



29.1767, 36.8261, 76.0914



45.9833, 36.8261, 60.5367



41.5555, 36.8261, 17.7373



25.9251, 36.8261, 24.8701

Rectangle

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



29.1767, 36.8261, 76.0914



38.8187, 36.8261, 81.3169



41.5555, 36.8261, 17.7373



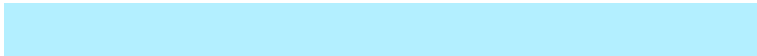
31.4442, 36.8261, 15.8712

Sweetspot

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



29.1780, 36.8274, 76.0923



67.3754, 78.4450, 106.1981



27.1274, 53.5005, 11.3641



13.7712, 16.2469, 22.6601



0.0000, 0.0000, 0.0000



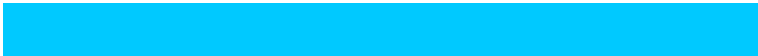
20.3446, 21.4041, 23.3091

Same Dimension

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



29.1780, 36.8274, 76.0923



39.0494, 49.2189, 102.0498



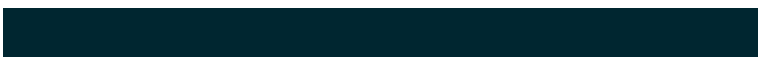
15.4769, 9.4253, 71.5253



13.8596, 15.0584, 17.5638



17.0675, 21.6046, 44.3189



1.2450, 1.6215, 3.0926

Inverse Universe

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



38.6775, 19.0231, 43.2294



51.8396, 25.4998, 57.7465



42.7673, 39.9000, 5.4491



14.1654, 13.8838, 16.6410



22.5551, 11.0890, 25.3867



1.5947, 0.7811, 1.9244

Previews

White Background



This preview shows how the XYZ color 29.1767, 36.8261, 76.0914 looks on a white background.

Color Contrast Check

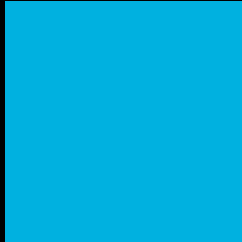
Large Text (above 18pt) WCAG AA × Fail

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 29.1767, 36.8261, 76.0914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

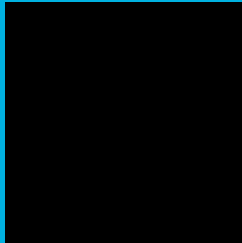
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1767, 36.8261, 76.0914

Background



This preview shows how black text looks on a background with the XYZ color 29.1767, 36.8261, 76.0914.

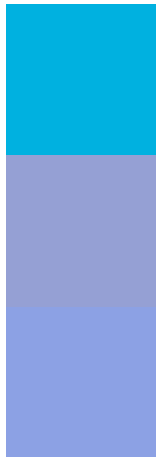


This preview shows how white text looks on a background with the XYZ color 29.1767, 36.8261,

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

29.1767, 36.8261, 76.0914

Protanopia

36.8489, 36.2846, 67.3488

Deuteranopia

37.5637, 36.6666, 78.4963



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

29.1767, 36.8261, 76.0914



Protanomaly

30.7502, 34.6632, 70.0357



Deuteranomaly

31.8037, 35.3073, 77.8118



Tritanomaly

27.4618, 37.0987, 64.1059

Monochromacy



Original Color

29.1767, 36.8261, 76.0914



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.4594, 25.0319, 38.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1767, 36.8261, 76.0914 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, 177, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 224)  
}
```

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, 177, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 224) }
```

Border

The CSS property to change the border of an element to XYZ 29.1767, 36.8261, 76.0914 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, 177, 224) }
```


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

```
.border{ border-color:rgb(0, 177, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1767, 36.8261, 76.0914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 224) }
```

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

```
.background{ background-color: rgb(0, 177,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor