

Converting Colors

XYZ(27.3260, 34.2245, 76.7387)

Have a look what the booklet for
XYZ(27.3260, 34.2245, 76.7387)
contains.

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Color

**XYZ(28.1535, 34.5621,
76.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABE1
RGB	0, 171, 225
RGB Percent	0%, 67%, 88%
CMY	0.9998, 0.3294, 0.1176
CMYK	1.00, 0.24, 0.00, 0.12
HSL	194°, 100%, 44%
HSV	194°, 100%, 88%
XYZ	28.1535, 34.5621, 76.4215
YIQ	126.0270, -119.2500, -19.4580

Conversions

Conversions Part 2

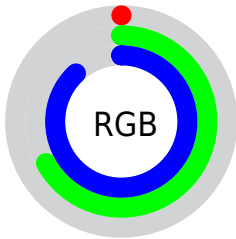
Format	Color
RYB	0, 97, 225
Decimal	44001
CIELab	65.41, -17.59, -37.38
CIELCh	65, 41.314, 244.802
Yxy	34.5621, 0.2023, 0.2484
Android (android.graphics.Color)	4278234081 (0xFF00ABE1)
YUV	126.0270, 48.7937, -110.5257
Hunter-Lab	58.7895, -17.4005, -35.9194

Details

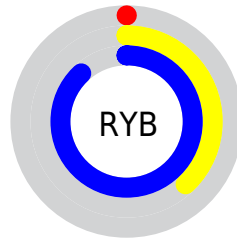
The XYZ color **28.1535, 34.5621, 76.4215** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.3735, 18.6510, 1.8953**, and the grayscale version is **19.7147, 20.7414, 22.5873**.

A 20% lighter version of the original color is **51.1902, 64.6769, 104.3936**, and **13.7583, 16.0582, 39.9105** is the 20% darker color. If you saturate the color by 10%, you get **28.1517, 34.5581, 76.4215**, and if you desaturate by 10%, it is **29.5385, 36.8223, 76.7855**.

Distribution



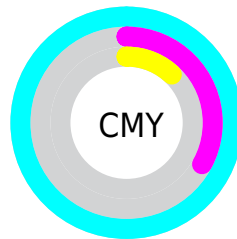
- Red (0%)
- Green (67%)
- Blue (88%)



- Red (0%)
- Yellow (38%)
- Blue (88%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1535, 34.5621, 76.4215 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 28.1535, 34.5621, 76.4215 by changing the saturation by 10% instead.

■ 28.1535, 34.5621,
76.4215

■ 28.1535, 34.5621,
76.4215

285.2665,
322.6312, 502.1745

■ 18.5824, 23.3258,
56.2695

■ 56.1363, 66.8068,
130.0881

■ 11.4712, 14.8342,
40.0136

■ 75.2789, 88.5840,
164.4397

■ 6.4543, 8.7031,
27.2353

■ 98.3426, 114.6436,
204.3617

■ 3.1665, 4.5481,
17.5160

■ 125.6928,
145.3699, 250.2724

■ 1.2424, 1.9846,
10.4372

■ 157.6950,
181.1475, 302.5905

■ 0.1395, 0.5985,
5.5804

194.7144,

■ 0.0000, 0.0000,

222.3606, 361.7346

2.5270

237.1164,
269.3937, 428.1231

■ 0.0000, 0.0000,
0.8544

■ 0.0000, 0.0000,
0.0000

■ 28.1535, 34.5621,
76.4215

■ 28.1535, 34.5621,
76.4215

■ 28.1517, 34.5581,
76.4215

■ 29.5385, 36.8223,
76.7855

■ 31.3632, 39.3713,
77.1813

■ 33.7576, 42.2772,
77.6160

■ 36.7956, 45.5790,
78.0932

■ 40.5394, 49.3093,
78.6159

■ 45.0438, 53.4970,
79.1868

■ 50.3576, 58.1681,
79.8083

■ 56.5258, 63.3463,
80.4827

■ 63.5897, 69.0536,
81.2120

Harmonies

Analogous

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



24.2137, 34.5621, 59.9637



28.1535, 34.5621, 76.4215



33.8311, 34.5621, 81.4105

Triad

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



28.1535, 34.5621, 76.4215



45.8228, 34.5621, 34.9185



26.6627, 34.5621, 16.4087

Complementary

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



28.1535, 34.5621, 76.4215



32.3735, 18.6510, 1.8953

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.



31.8885, 34.5621, 13.2808



28.1535, 34.5621, 76.4215



43.3292, 34.5621, 21.6736

Square

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



28.1535, 34.5621, 76.4215



44.5079, 34.5621, 53.6280



38.0423, 34.5621, 14.8606



23.4297, 34.5621, 25.1828

Rectangle

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



28.1535, 34.5621, 76.4215



37.9621, 34.5621, 76.5775



38.0423, 34.5621, 14.8606



28.2192, 34.5621, 14.8084

Sweetspot

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



28.1547, 34.5633, 76.4224



66.7040, 77.1021, 105.9743



27.5583, 54.1042, 12.3037



13.6095, 15.9235, 22.6062



0.0000, 0.0000, 0.0000



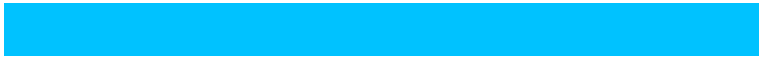
20.3446, 21.4041, 23.3091

Same Dimension

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



28.1547, 34.5633, 76.4224



37.2944, 45.7089, 101.4648



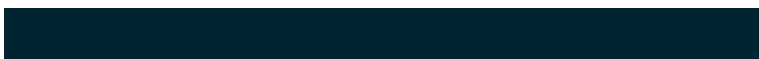
15.2093, 8.6725, 72.1072



13.8232, 14.9855, 17.5516



16.3170, 20.1036, 44.0687



1.1988, 1.5291, 3.0772

Inverse Universe

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



38.4031, 18.9492, 40.1626



50.9537, 25.1455, 53.0817



44.5098, 42.9235, 5.9407



14.1470, 13.8764, 16.5442



22.1763, 10.9375, 23.3918



1.5714, 0.7718, 1.8016

Previews

White Background



This preview shows how the XYZ color 28.1535, 34.5621, 76.4215 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 28.1535, 34.5621, 76.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

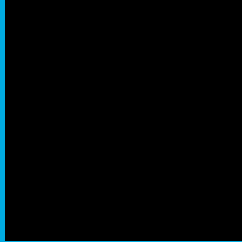
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.1535, 34.5621, 76.4215

Background



This preview shows how black text looks on a background with the XYZ color 28.1535, 34.5621, 76.4215.

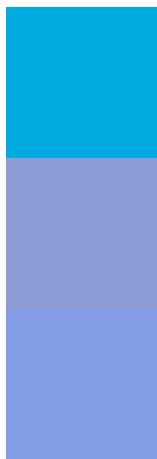


This preview shows how white text looks on a background with the XYZ color 28.1535, 34.5621,

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

28.1535, 34.5621, 76.4215

Protanopia

34.8832, 34.2438, 67.7220

Deuteranopia

35.2665, 34.4612, 78.1917



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

28.1535, 34.5621, 76.4215



Protanomaly

29.4857, 32.6732, 70.3981



Deuteranomaly

30.3527, 33.2257, 77.4865



Tritanomaly

25.7967, 34.5364, 61.1837

Monochromacy



Original Color

28.1535, 34.5621, 76.4215



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.5029, 23.6601, 37.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1535, 34.5621, 76.4215 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, 171, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 225)  
}
```

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, 171, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 225) }
```

Border

The CSS property to change the border of an element to XYZ 28.1535, 34.5621, 76.4215 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, 171, 225) }
```


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

```
.border{ border-color:rgb(0, 171, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1535, 34.5621, 76.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 225) }
```

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

```
.background{ background-color: rgb(0, 171,  
225) }
```

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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