

Converting Colors

XYZ(29.6917, 35.4834, 83.5779)

Have a look what the booklet for
XYZ(29.6917, 35.4834, 83.5779)
contains.

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Color

**XYZ(29.7479, 35.5032,
83.8822)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACEB
RGB	0, 172, 235
RGB Percent	0%, 67%, 92%
CMY	0.9998, 0.3255, 0.0784
CMYK	1.00, 0.27, 0.00, 0.08
HSL	196°, 100%, 46%
HSV	196°, 100%, 92%
XYZ	29.7479, 35.5032, 83.8822
YIQ	127.7540, -122.7350, -16.8710

Conversions

Conversions Part 2

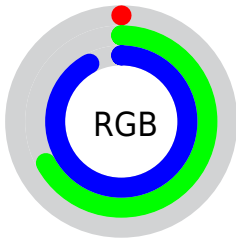
Format	Color
RYB	0, 99, 235
Decimal	44267
CIELab	66.14, -14.57, -41.73
CIELCh	66, 44.196, 250.752
Yxy	35.5032, 0.1995, 0.2381
Android (android.graphics.Color)	4278234347 (0xFF00ACEB)
YUV	127.7540, 52.8723, -112.0403
Hunter-Lab	59.5846, -15.1559, -41.7583

Details

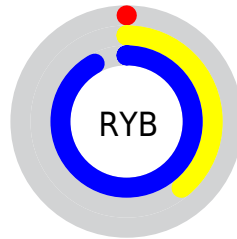
The XYZ color **29.7479, 35.5032, 83.8822** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.0425, 21.2242, 2.1988**, and the grayscale version is **20.2928, 21.3496, 23.2497**.

A 20% lighter version of the original color is **51.7034, 65.3463, 104.4958**, and **14.8532, 16.6876, 45.0860** is the 20% darker color. If you saturate the color by 10%, you get **29.7453, 35.4977, 83.8820**, and if you desaturate by 10%, it is **31.3427, 38.1488, 84.3095**.

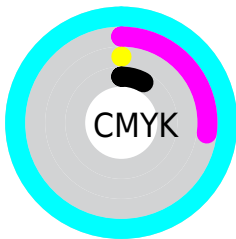
Distribution



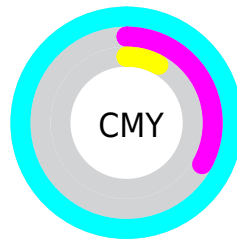
- Red (0%)
- Green (67%)
- Blue (92%)



- Red (0%)
- Yellow (39%)
- Blue (92%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (33%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7479, 35.5032, 83.8822 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 29.7479, 35.5032, 83.8822 by changing the saturation by 10% instead.

■ 29.7479, 35.5032,
83.8822

■ 29.7479, 35.5032,
83.8822

292.6585,
326.7839, 527.9698

■ 19.7944, 24.0508,
62.3734

■ 58.6526, 68.2646,
140.6706

■ 12.3531, 15.3713,
44.8967

■ 78.3346, 90.3423,
176.7873

■ 7.0585, 9.0804,
31.0337

■ 101.9902,
116.7306, 218.6103

■ 3.5454, 4.7936,
20.3658

■ 129.9846,
147.8138, 266.5583

■ 1.4483, 2.1267,
12.4745

■ 162.6833,
183.9763, 321.0496

■ 0.2903, 0.6796,
6.9413

200.4516,

■ 0.0000, 0.0000,

225.6026, 382.5030

3.3475

243.6549,
273.0770, 451.3369

■ 0.0000, 0.0000,
1.2747

■ 0.0000, 0.0000,
0.0409

■ 29.7479, 35.5032,
83.8822

■ 29.7479, 35.5032,
83.8822

■ 29.7453, 35.4977,
83.8820

■ 31.3427, 38.1488,
84.3095

■ 33.4371, 41.1369,
84.7759

■ 36.1725, 44.5422,
85.2890

■ 39.6315, 48.4083,
85.8529

■ 43.8839, 52.7722,
86.4711

■ 48.9906, 57.6664,
87.1467

■ 55.0064, 63.1202,
87.8823

■ 61.9813, 69.1604,
88.6805

■ 69.9616, 75.8118,
89.5438

Harmonies

Analogous

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



25.0483, 35.5032, 67.4228



29.7479, 35.5032, 83.8822



36.1577, 35.5032, 86.2295

Triad

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



29.7479, 35.5032, 83.8822



47.7450, 35.5032, 32.2903



26.1492, 35.5032, 17.2109

Complementary

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



29.7479, 35.5032, 83.8822



36.0425, 21.2242, 2.1988

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.



31.4416, 35.5032, 12.8878



29.7479, 35.5032, 83.8822



44.2518, 35.5032, 19.5173

Square

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



29.7479, 35.5032, 83.8822



47.1369, 35.5032, 51.8573



38.0844, 35.5032, 13.5665



23.1647, 35.5032, 27.9114

Rectangle

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



29.7479, 35.5032, 83.8822



40.6277, 35.5032, 78.8475



38.0844, 35.5032, 13.5665



27.6866, 35.5032, 15.1499

Sweetspot

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



29.7492, 35.5044, 83.8831



66.0866, 75.8673, 105.7685



30.5986, 59.7733, 14.5852



13.4611, 15.6266, 22.5567



0.0000, 0.0000, 0.0000



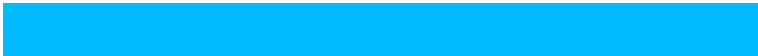
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7492, 35.5044, 83.8831



35.7402, 42.6004, 100.9467



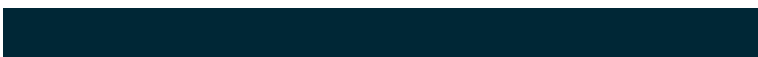
16.3568, 8.7197, 79.4190



15.1562, 16.3988, 19.2887



16.6651, 19.9771, 46.7206



1.3871, 1.7257, 3.6949

Inverse Universe

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



41.7085, 20.6423, 40.8168



50.1692, 24.8317, 48.9504



50.6196, 50.3784, 7.0578



15.5324, 15.2408, 18.0889



23.2670, 11.5095, 23.0054



1.8667, 0.9196, 2.0152

Previews

White Background



This preview shows how the XYZ color 29.7479, 35.5032, 83.8822 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 29.7479, 35.5032, 83.8822 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 29.7479, 35.5032, 83.8822

Background



This preview shows how black text looks on a background with the XYZ color 29.7479, 35.5032, 83.8822.

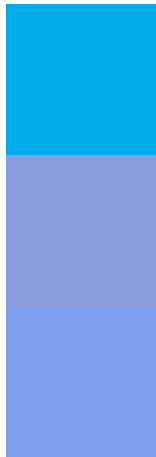


This preview shows how white text looks on a background with the XYZ color 29.7479, 35.5032,

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

29.7479, 35.5032, 83.8822

Protanopia

36.1915, 35.0171, 74.6635

Deuteranopia

36.2882, 35.3293, 85.7956



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

29.7479, 35.5032, 83.8822



Protanomaly

30.9053, 33.5106, 77.5123



Deuteranomaly

31.8698, 34.3708, 85.0753



Tritanomaly

26.7878, 35.5557, 64.4825

Monochromacy



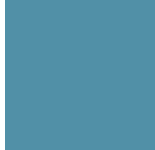
Original Color

29.7479, 35.5032, 83.8822



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.3416, 24.4859, 40.2133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7479, 35.5032, 83.8822 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, 172, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 235)  
}
```

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, 172, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 235) }
```

Border

The CSS property to change the border of an element to XYZ 29.7479, 35.5032, 83.8822 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, 172, 235) }
```


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

```
.border{ border-color:rgb(0, 172, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7479, 35.5032, 83.8822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 235) }
```

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

```
.background{ background-color: rgb(0, 172,  
235) }
```

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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