

Converting Colors

XYZ(29.0916, 35.2275, 83.3669)

Have a look what the booklet for
XYZ(29.0916, 35.2275, 83.3669)
contains.

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Color

**XYZ(29.6038, 35.4456,
83.1233)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACEA
RGB	0, 172, 234
RGB Percent	0%, 67%, 92%
CMY	0.9998, 0.3255, 0.0823
CMYK	1.00, 0.26, 0.00, 0.08
HSL	196°, 100%, 46%
HSV	196°, 100%, 92%
XYZ	29.6038, 35.4456, 83.1233
YIQ	127.6400, -122.4140, -17.1820

Conversions

Conversions Part 2

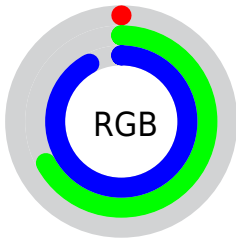
Format	Color
RYB	0, 99, 234
Decimal	44266
CIELab	66.09, -14.93, -41.25
CIELCh	66, 43.866, 250.106
Yxy	35.4456, 0.1998, 0.2392
Android (android.graphics.Color)	4278234346 (0xFF00ACEA)
YUV	127.6400, 52.4355, -111.9403
Hunter-Lab	59.5362, -15.4310, -41.1042

Details

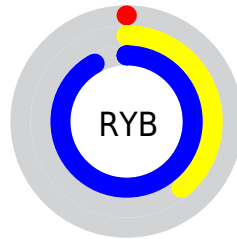
The XYZ color **29.6038, 35.4456, 83.1233** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.6582, 20.9444, 2.1650**, and the grayscale version is **20.2548, 21.3096, 23.2062**.

A 20% lighter version of the original color is **51.7034, 65.3463, 104.4958**, and **14.7524, 16.6473, 44.5552** is the 20% darker color. If you saturate the color by 10%, you get **29.6013, 35.4403, 83.1232**, and if you desaturate by 10%, it is **31.1763, 38.0501, 83.5439**.

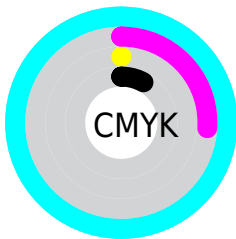
Distribution



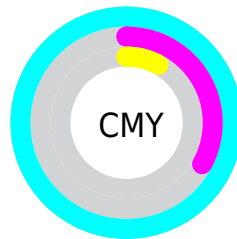
- Red (0%)
- Green (67%)
- Blue (92%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6038, 35.4456, 83.1233 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 29.6038, 35.4456, 83.1233 by changing the saturation by 10% instead.

■ 29.6038, 35.4456,
83.1233

■ 29.6038, 35.4456,
83.1233

291.9964,
326.5308, 525.3791

■ 19.6846, 24.0063,
61.7507

■ 58.4260, 68.1755,
139.5989

■ 12.2729, 15.3383,
44.3968

■ 78.0597, 90.2349,
175.5390

■ 7.0034, 9.0572,
30.6431

■ 101.6623,
116.6032, 217.1720

■ 3.5106, 4.7785,
20.0710

■ 129.5992,
147.6647, 264.9164

■ 1.4292, 2.1179,
12.2621

■ 162.2357,
183.8038, 319.1907

■ 0.2769, 0.6747,
6.7977

199.9372,

■ 0.0000, 0.0000,

225.4049, 380.4136

3.2594

243.0689,
272.8525, 449.0036

■ 0.0000, 0.0000,
1.2286

■ 0.0000, 0.0000,
0.0021

■ 29.6038, 35.4456,
83.1233

■ 29.6038, 35.4456,
83.1233

■ 29.6013, 35.4403,
83.1232

■ 31.1763, 38.0501,
83.5439

■ 33.2420, 40.9911,
84.0027

■ 35.9411, 44.3426,
84.5073

■ 39.3554, 48.1477,
85.0618

■ 43.5538, 52.4430,
85.6696

■ 48.5967, 57.2606,
86.3337

■ 54.5381, 62.6295,
87.0569

■ 61.4276, 68.5760,
87.8415

■ 69.3110, 75.1247,
88.6901

Harmonies

Analogous

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



24.9869, 35.4456, 66.6318



29.6038, 35.4456, 83.1233



35.9366, 35.4456, 85.7943

Triad

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



29.6038, 35.4456, 83.1233



47.5913, 35.4456, 32.6343



26.2461, 35.4456, 17.1407

Complementary

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



29.6038, 35.4456, 83.1233



35.6582, 20.9444, 2.1650

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.



31.5390, 35.4456, 12.9503



29.6038, 35.4456, 83.1233



44.2103, 35.4456, 19.7865

Square

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



29.6038, 35.4456, 83.1233



46.8981, 35.4456, 52.1375



38.1359, 35.4456, 13.7307



23.2285, 35.4456, 27.6263

Rectangle

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



29.6038, 35.4456, 83.1233



40.3734, 35.4456, 78.7026



38.1359, 35.4456, 13.7307



27.7881, 35.4456, 15.1310

Sweetspot

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



29.6051, 35.4468, 83.1242



66.1550, 76.0041, 105.7913



30.2015, 59.1577, 13.9029



13.4775, 15.6595, 22.5622



0.0000, 0.0000, 0.0000



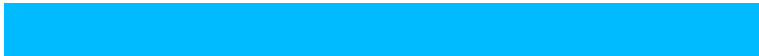
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6051, 35.4468, 83.1242



35.9096, 42.9391, 101.0032



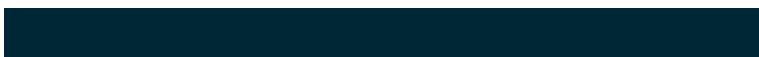
16.3929, 9.0223, 78.7201



15.1604, 16.4071, 19.2901



16.7425, 20.1320, 46.7464



1.3927, 1.7368, 3.6967

Inverse Universe

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



41.3792, 20.4725, 40.8014



50.2547, 24.8659, 49.4007



49.3629, 48.3538, 6.7332



15.5345, 15.2416, 18.0999



23.3061, 11.5251, 23.2112



1.8695, 0.9207, 2.0299

Previews

White Background



This preview shows how the XYZ color 29.6038, 35.4456, 83.1233 looks on a white background.

Color Contrast Check

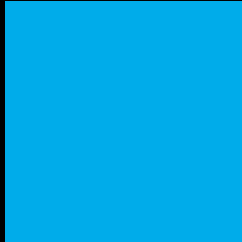
Large Text (above 18pt) WCAG AA × Fail

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 29.6038, 35.4456, 83.1233 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

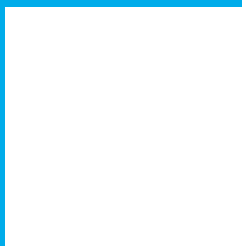
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6038, 35.4456, 83.1233

Background



This preview shows how black text looks on a background with the XYZ color 29.6038, 35.4456, 83.1233.

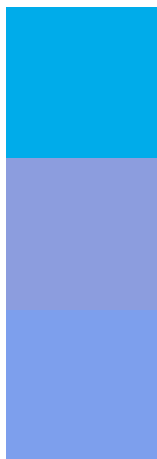


This preview shows how white text looks on a background with the XYZ color 29.6038, 35.4456,

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

29.6038, 35.4456, 83.1233

Protanopia

36.0570, 34.9633, 73.9554

Deuteranopia

36.1416, 35.2707, 85.0238



Tritanopia

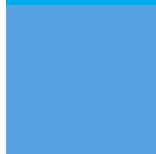
25.3244, 35.6024, 54.8274

Trichromacy



Original Color

29.6038, 35.4456, 83.1233



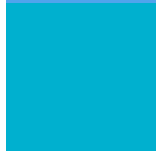
Protanomaly

30.7676, 33.4555, 76.7874



Deuteranomaly

31.7240, 34.3125, 84.3078



Tritanomaly

26.7878, 35.5557, 64.4825

Monochromacy



Original Color

29.6038, 35.4456, 83.1233



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 29.6038, 35.4456, 83.1233 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 234) }
```

Border

The CSS property to change the border of an element to XYZ 29.6038, 35.4456, 83.1233 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, 234) }
```


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

```
.border{ border-color:rgb(0, 172, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6038, 35.4456, 83.1233 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, 234) }
```

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

```
.background{ background-color: rgb(0, 172,  
234) }
```

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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