

Converting Colors

XYZ(29.3214, 34.7550, 83.1955)

Have a look what the booklet for
XYZ(29.3214, 34.7550, 83.1955)
contains.

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Color

**XYZ(29.2761, 34.7158,
82.9997)**

Conversions

Conversions Part 1

Format	Color
Hex	04AAEA
RGB	4, 170, 234
RGB Percent	2%, 67%, 92%
CMY	0.9841, 0.3333, 0.0823
CMYK	0.98, 0.27, 0.00, 0.08
HSL	197°, 97%, 47%
HSV	197°, 98%, 92%
XYZ	29.2761, 34.7158, 82.9997
YIQ	127.6620, -119.4800, -15.2880

Conversions

Conversions Part 2

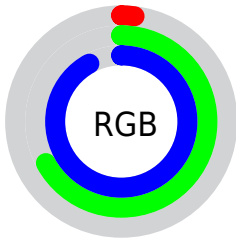
Format	Color
RYB	4, 100, 234
Decimal	305898
CIELab	65.53, -13.74, -42.14
CIELCh	66, 44.318, 251.943
Yxy	34.7158, 0.1992, 0.2362
Android (android.graphics.Color)	4278495978 (0xFF04AAEA)
YUV	127.6620, 52.4246, -108.4516
Hunter-Lab	58.9201, -14.4175, -42.2767

Details

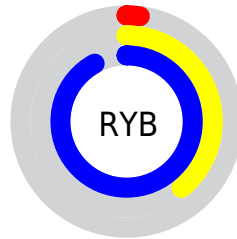
The XYZ color **29.2761, 34.7158, 82.9997** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.0252, 21.6434, 2.3955**, and the grayscale version is **20.2620, 21.3173, 23.2145**.

A 20% lighter version of the original color is **51.1596, 64.2586, 104.3145**, and **14.5143, 16.1712, 44.4759** is the 20% darker color. If you saturate the color by 10%, you get **29.0154, 34.2684, 82.9278**, and if you desaturate by 10%, it is **30.9423, 37.4329, 83.4371**.

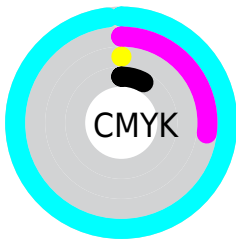
Distribution



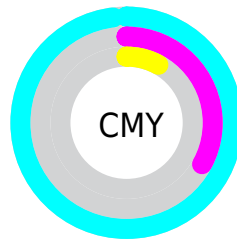
- Red (2%)
- Green (67%)
- Blue (92%)



- Red (2%)
- Yellow (39%)
- Blue (92%)



- Cyan (98%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)



- Cyan (98%)
- Magenta (33%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2761, 34.7158, 82.9997 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 29.2761, 34.7158, 82.9997 by changing the saturation by 10% instead.

■ 29.2761, 34.7158,
82.9997

■ 29.2761, 34.7158,
82.9997

290.4862,
323.3121, 524.9565

■ 19.4351, 23.4440,
61.6493

■ 57.9100, 67.0453,
139.4243

■ 12.0910, 14.9217,
44.3154

■ 77.4336, 88.8717,
175.3355

■ 6.8783, 8.7645,
30.5795

■ 100.9155,
114.9853, 216.9375

■ 3.4318, 4.5879,
20.0231

■ 128.7210,
145.7702, 264.6486

■ 1.3860, 2.0075,
12.2276

■ 161.2155,
181.6110, 318.8876

■ 0.2462, 0.6119,
6.7745

198.7642,

■ 0.0000, 0.0000,

222.8919, 380.0729

3.2452

241.7327,
269.9975, 448.6230

■ 0.0000, 0.0000,
1.2211

■ 0.0000, 0.0000,
0.0000

■ 29.2761, 34.7158,
82.9997

■ 29.2761, 34.7158,
82.9997

■ 29.0154, 34.2684,
82.9278

■ 30.9423, 37.4329,
83.4371

■ 33.1491, 40.5193,
83.9165

■ 36.0100, 44.0353,
84.4444

■ 39.6044, 48.0228,
85.0246

■ 43.9994, 52.5178,
85.6606

■ 49.2544, 57.5520,
86.3553

■ 55.4228, 63.1540,
87.1115

■ 62.5534, 69.3502,
87.9316

■ 70.6914, 76.1650,
88.8181

Harmonies

Analogous

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



24.5545, 34.7158, 67.0867



29.2761, 34.7158, 82.9997



35.6478, 34.7158, 84.6781

Triad

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



29.2761, 34.7158, 82.9997



46.7791, 34.7158, 30.8730



25.3357, 34.7158, 16.9551

Complementary

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



29.2761, 34.7158, 82.9997



36.0252, 21.6434, 2.3955

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.



30.4797, 34.7158, 12.5007



29.2761, 34.7158, 82.9997



43.1803, 34.7158, 18.5846

Square

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



29.2761, 34.7158, 82.9997



46.3455, 34.7158, 49.9999



37.0191, 34.7158, 12.9786



22.4934, 34.7158, 27.7653

Rectangle

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



29.2761, 34.7158, 82.9997



40.0519, 34.7158, 76.9798



37.0191, 34.7158, 12.9786



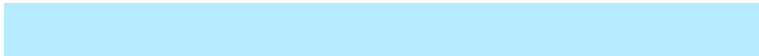
26.8222, 34.7158, 14.8536

Sweetspot

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



29.2774, 34.7170, 83.0006



66.6595, 76.1333, 105.7896



30.4392, 59.2585, 14.8927



13.5595, 15.6583, 22.5576



0.0000, 0.0000, 0.0000



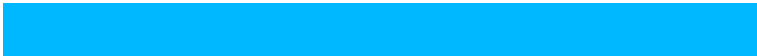
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2774, 34.7170, 83.0006



35.1957, 41.5114, 100.7652



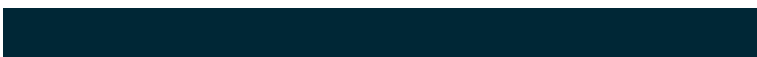
16.4011, 8.9643, 78.7085



15.1427, 16.3719, 19.2842



16.4160, 19.4791, 46.6376



1.3693, 1.6900, 3.6889

Inverse Universe

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



41.2320, 20.4832, 39.8116



49.8944, 24.7217, 47.5032



50.3461, 50.2851, 7.1692



15.5256, 15.2381, 18.0530



23.1414, 11.4592, 22.3435



1.8576, 0.9160, 1.9677

Previews

White Background



This preview shows how the XYZ color 29.2761, 34.7158, 82.9997 looks on a white background.

Color Contrast Check

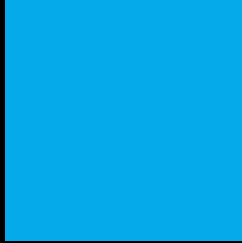
Large Text (above 18pt) WCAG AA × Fail

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 29.2761, 34.7158, 82.9997 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

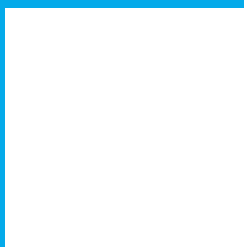
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2761, 34.7158, 82.9997

Background



This preview shows how black text looks on a background with the XYZ color 29.2761, 34.7158, 82.9997.

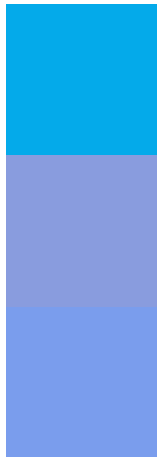


This preview shows how white text looks on a background with the XYZ color 29.2761, 34.7158,

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

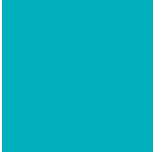
29.2761, 34.7158, 82.9997

Protanopia

35.3898, 34.3692, 73.8759

Deuteranopia

35.3691, 34.3659, 84.8899



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

29.2761, 34.7158, 82.9997



Protanomaly

30.5922, 33.1046, 76.7289



Deuteranomaly

31.2851, 33.5591, 84.1855



Tritanomaly

26.1680, 34.6863, 63.0735

Monochromacy



Original Color

29.2761, 34.7158, 82.9997



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.3648, 24.2739, 40.1712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2761, 34.7158, 82.9997 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(4, 170, 234)` looks like.

```
.text, #text, p{  
    color:rgb(4, 170, 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(4, 170, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 170, 234) }
```

Border

The CSS property to change the border of an element to XYZ 29.2761, 34.7158, 82.9997 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(4, 170, 234) }
```


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

```
.border{ border-color:rgb(4, 170, 234) }
```

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

Here you see how a box with a 4 pixel rgb(4, 170, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 170, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 170, 234);  
box-shadow:4px 4px 4px 4px rgb(4, 170,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2761, 34.7158, 82.9997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 170, 234) }
```

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

```
.background{ background-color: rgb(4, 170,  
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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