

Converting Colors

XYZ(20.0494, 30.0418, 80.8426)

Have a look what the booklet for
XYZ(20.0494, 30.0418, 80.8426)
contains.

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Color

**XYZ(28.9402, 34.5756,
81.4924)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAE8
RGB	0, 170, 232
RGB Percent	0%, 67%, 91%
CMY	0.9998, 0.3333, 0.0902
CMYK	1.00, 0.27, 0.00, 0.09
HSL	196°, 100%, 46%
HSV	196°, 100%, 91%
XYZ	28.9402, 34.5756, 81.4924
YIQ	126.2380, -121.2220, -16.7580

Conversions

Conversions Part 2

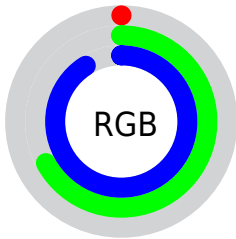
Format	Color
RYB	0, 98, 232
Decimal	43752
CIELab	65.42, -14.56, -41.21
CIELCh	65, 43.708, 250.543
Yxy	34.5756, 0.1996, 0.2384
Android (android.graphics.Color)	4278233832 (0xFF00AAE8)
YUV	126.2380, 52.1407, -110.7107
Hunter-Lab	58.8010, -15.0491, -41.0094

Details

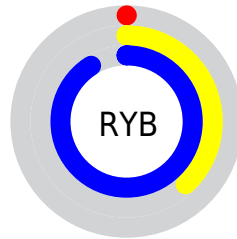
The XYZ color **28.9402, 34.5756, 81.4924** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.0053, 20.6081, 2.1346**, and the grayscale version is **19.7765, 20.8064, 22.6582**.

A 20% lighter version of the original color is **51.0386, 64.1962, 104.3088**, and **14.3149, 16.0915, 43.4258** is the 20% darker color. If you saturate the color by 10%, you get **28.9376, 34.5701, 81.4922**, and if you desaturate by 10%, it is **30.4903, 37.1420, 81.9068**.

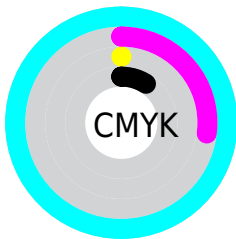
Distribution



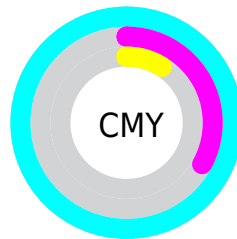
- Red (0%)
- Green (67%)
- Blue (91%)



- Red (0%)
- Yellow (38%)
- Blue (91%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9402, 34.5756, 81.4924 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 28.9402, 34.5756, 81.4924 by changing the saturation by 10% instead.

■ 28.9402, 34.5756,
81.4924

■ 28.9402, 34.5756,
81.4924

288.9320,
322.6911, 519.7870

■ 19.1796, 23.3361,
60.4138

■ 57.3803, 66.8278,
137.2922

■ 11.9049, 14.8419,
43.3248

■ 76.7905, 88.6093,
172.8506

■ 6.7507, 8.7085,
29.8068

■ 100.1480,
114.6736, 214.0726

■ 3.3516, 4.5515,
19.4412

■ 127.8181,
145.4051, 261.3769

■ 1.3423, 1.9866,
11.8094

■ 160.1662,
181.1882, 315.1819

■ 0.2146, 0.5997,
6.4931

197.5577,

■ 0.0000, 0.0000,

222.4073, 375.9063

3.0736

240.3578,
269.4468, 443.9684

■ 0.0000, 0.0000,
1.1323

■ 0.0000, 0.0000,
0.0000

■ 28.9402, 34.5756,
81.4924

■ 28.9402, 34.5756,
81.4924

■ 28.9376, 34.5701,
81.4922

■ 30.4903, 37.1420,
81.9068

■ 32.5243, 40.0399,
82.3589

■ 35.1802, 43.3420,
82.8563

■ 38.5381, 47.0905,
83.4029

■ 42.6653, 51.3214,
84.0020

■ 47.6211, 56.0660,
84.6566

■ 53.4584, 61.3527,
85.3694

■ 60.2257, 67.2074,
86.1428

■ 67.9678, 73.6543,
86.9791

Harmonies

Analogous

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



24.3872, 34.5756, 65.4442



28.9402, 34.5756, 81.4924



35.1613, 34.5756, 83.8827

Triad

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



28.9402, 34.5756, 81.4924



46.4733, 34.5756, 31.5722



25.5102, 34.5756, 16.7478

Complementary

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



28.9402, 34.5756, 81.4924



35.0053, 20.6081, 2.1346

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.



30.6672, 34.5756, 12.5775



28.9402, 34.5756, 81.4924



43.1052, 34.5756, 19.1027

Square

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



28.9402, 34.5756, 81.4924



45.8538, 34.5756, 50.6180



37.1253, 34.5756, 13.2710



22.5917, 34.5756, 27.1058

Rectangle

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



28.9402, 34.5756, 81.4924



39.5063, 34.5756, 76.7820



37.1253, 34.5756, 13.2710



27.0097, 34.5756, 14.7559

Sweetspot

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



28.9415, 34.5768, 81.4933



66.1049, 75.9040, 105.7746



29.7248, 58.0610, 14.1851



13.4655, 15.6354, 22.5582



0.0000, 0.0000, 0.0000



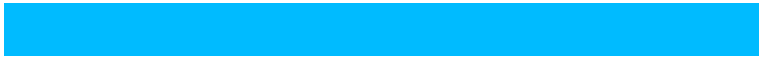
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9415, 34.5768, 81.4933



35.7856, 42.6912, 100.9619



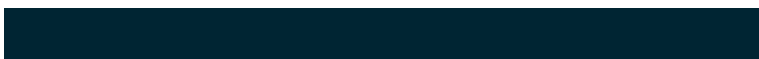
15.8940, 8.4819, 77.1441



14.4645, 15.6503, 18.4028



16.1737, 19.4095, 45.2771



1.2706, 1.5851, 3.3710

Inverse Universe

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



40.5356, 20.0597, 39.7665



50.1921, 24.8408, 49.0712



49.1763, 48.9499, 6.8582



14.8220, 14.5460, 17.2632



22.5572, 11.1571, 22.3612



1.7050, 0.8397, 1.8529

Previews

White Background



This preview shows how the XYZ color 28.9402, 34.5756, 81.4924 looks on a white background.

Color Contrast Check

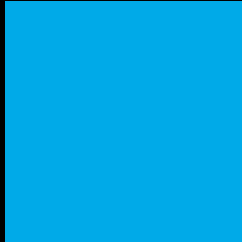
Large Text (above 18pt) WCAG AA × Fail

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 28.9402, 34.5756, 81.4924 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 28.9402, 34.5756, 81.4924

Background



This preview shows how black text looks on a background with the XYZ color 28.9402, 34.5756, 81.4924.



This preview shows how white text looks on a background with the XYZ color 28.9402, 34.5756,

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

28.9402, 34.5756, 81.4924

Protanopia

35.2880, 34.3475, 72.4800

Deuteranopia

35.2207, 34.3231, 83.3659



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

28.9402, 34.5756, 81.4924

Protanomaly

30.2239, 32.9463, 75.2873

Deuteranomaly

30.9135, 33.4009, 82.6596

Tritanomaly

26.1555, 34.6799, 63.0730

Monochromacy



Original Color

28.9402, 34.5756, 81.4924

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7728, 23.7681, 39.1429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9402, 34.5756, 81.4924 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, 170, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 232)  
}
```

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, 170, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 232) }
```

Border

The CSS property to change the border of an element to XYZ 28.9402, 34.5756, 81.4924 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, 170, 232) }
```


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

```
.border{ border-color:rgb(0, 170, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9402, 34.5756, 81.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 232) }
```

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

```
.background{ background-color: rgb(0, 170,  
232) }
```

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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