

Converting Colors

XYZ(26.7455, 33.4660, 80.9205)

Have a look what the booklet for
XYZ(26.7455, 33.4660, 80.9205)
contains.

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Color

**XYZ(28.7985, 34.5190,
80.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAE7
RGB	0, 170, 231
RGB Percent	0%, 67%, 91%
CMY	0.9998, 0.3333, 0.0941
CMYK	1.00, 0.26, 0.00, 0.09
HSL	196°, 100%, 45%
HSV	196°, 100%, 91%
XYZ	28.7985, 34.5190, 80.7463
YIQ	126.1240, -120.9010, -17.0690

Conversions

Conversions Part 2

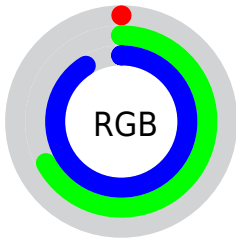
Format	Color
RYB	0, 98, 231
Decimal	43751
CIELab	65.37, -14.92, -40.73
CIELCh	65, 43.379, 249.886
Yxy	34.5190, 0.1999, 0.2396
Android (android.graphics.Color)	4278233831 (0xFF00AAE7)
YUV	126.1240, 51.7039, -110.6107
Hunter-Lab	58.7529, -15.3234, -40.3575

Details

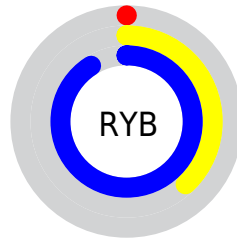
The XYZ color **28.7985, 34.5190, 80.7463** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **34.6273, 20.3326, 2.1011**, and the grayscale version is **19.7387, 20.7666, 22.6148**.

A 20% lighter version of the original color is **51.0386, 64.1962, 104.3088**, and **14.2163, 16.0520, 42.9065** is the 20% darker color. If you saturate the color by 10%, you get **28.7963, 34.5142, 80.7462**, and if you desaturate by 10%, it is **30.3265, 37.0448, 81.1540**.

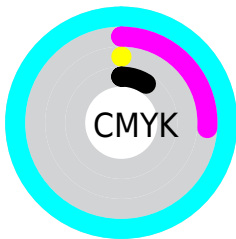
Distribution



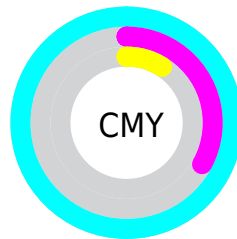
- Red (0%)
- Green (67%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7985, 34.5190, 80.7463 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 28.7985, 34.5190, 80.7463 by changing the saturation by 10% instead.

■ 28.7985, 34.5190,
80.7463

■ 28.7985, 34.5190,
80.7463

288.2744,
322.4401, 517.2173

■ 19.0720, 23.2926,
59.8029

■ 57.1566, 66.7399,
136.2353

■ 11.8266, 14.8097,
42.8355

■ 76.5188, 88.5033,
171.6181

■ 6.6971, 8.6859,
29.4256

■ 99.8236, 114.5477,
212.6510

■ 3.3180, 4.5369,
19.1547

■ 127.4364,
145.2576, 259.7526

■ 1.3241, 1.9782,
11.6042

■ 159.7226,
181.0174, 313.3415

■ 0.2011, 0.5948,
6.3555

197.0474,

■ 0.0000, 0.0000,

222.2115, 373.8363

2.9902

239.7762,
269.2243, 441.6553

■ 0.0000, 0.0000,
1.0896

■ 0.0000, 0.0000,
0.0000

■ 28.7985, 34.5190,
80.7463

■ 28.7985, 34.5190,
80.7463

■ 28.7963, 34.5142,
80.7462

■ 30.3265, 37.0448,
81.1540

■ 32.3322, 39.8962,
81.5987

■ 34.9523, 43.1453,
82.0877

■ 38.2660, 46.8337,
82.6250

■ 42.3400, 50.9970,
83.2139

■ 47.2327, 55.6661,
83.8572

■ 52.9967, 60.8691,
84.5577

■ 59.6798, 66.6316,
85.3178

■ 67.3264, 72.9774,
86.1396

Harmonies

Analogous

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



24.3269, 34.5190, 64.6670



28.7985, 34.5190, 80.7463



34.9439, 34.5190, 83.4545

Triad

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



28.7985, 34.5190, 80.7463



46.3222, 34.5190, 31.9121



25.6059, 34.5190, 16.6788

Complementary

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



28.7985, 34.5190, 80.7463



34.6273, 20.3326, 2.1011

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.



30.7634, 34.5190, 12.6393



28.7985, 34.5190, 80.7463



43.0645, 34.5190, 19.3688

Square

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



28.7985, 34.5190, 80.7463



45.6188, 34.5190, 50.8946



37.1761, 34.5190, 13.4333



22.6547, 34.5190, 26.8257

Rectangle

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



28.7985, 34.5190, 80.7463



39.2563, 34.5190, 76.6395



37.1761, 34.5190, 13.4333



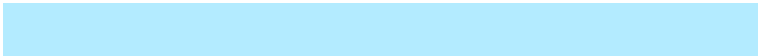
27.1099, 34.5190, 14.7373

Sweetspot

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



28.7998, 34.5202, 80.7472



66.1745, 76.0431, 105.7978



29.3353, 57.4561, 13.5194



13.4822, 15.6689, 22.5638



0.0000, 0.0000, 0.0000



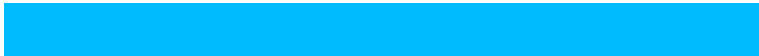
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7998, 34.5202, 80.7472



35.9580, 43.0360, 101.0193



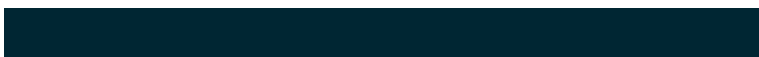
15.9273, 8.7752, 76.4563



14.4685, 15.6584, 18.4041



16.2500, 19.5621, 45.3026



1.2757, 1.5953, 3.3727

Inverse Universe

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



40.2118, 19.8927, 39.7515



50.2791, 24.8756, 49.5294



47.9500, 46.9780, 6.5420



14.8241, 14.5468, 17.2739



22.5958, 11.1725, 22.5640



1.7075, 0.8407, 1.8664

Previews

White Background



This preview shows how the XYZ color 28.7985, 34.5190, 80.7463 looks on a white background.

Color Contrast Check

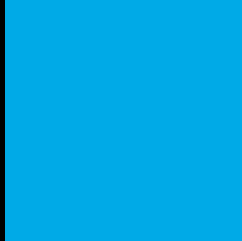
Large Text (above 18pt) WCAG AA × Fail

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 28.7985, 34.5190, 80.7463 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 28.7985, 34.5190, 80.7463

Background



This preview shows how black text looks on a background with the XYZ color 28.7985, 34.5190, 80.7463.



This preview shows how white text looks on a background with the XYZ color 28.7985, 34.5190,

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

28.7985, 34.5190, 80.7463

Protanopia

34.9888, 33.9604, 71.7287

Deuteranopia

35.2204, 34.3395, 82.6138



Tritanopia

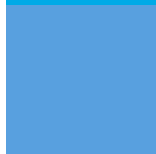
24.5153, 34.3341, 53.4792

Trichromacy



Original Color

28.7985, 34.5190, 80.7463



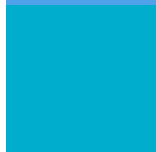
Protanomaly

29.9146, 32.5440, 74.5170



Deuteranomaly

30.8528, 33.3861, 81.9088



Tritanomaly

25.8427, 34.2468, 62.3750

Monochromacy



Original Color

28.7985, 34.5190, 80.7463



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.6821, 23.7318, 38.6653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7985, 34.5190, 80.7463 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 231) }
```

Border

The CSS property to change the border of an element to XYZ 28.7985, 34.5190, 80.7463 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, 231) }
```


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

```
.border{ border-color:rgb(0, 170, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7985, 34.5190, 80.7463 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, 231) }
```

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

```
.background{ background-color: rgb(0, 170,  
231) }
```

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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