

Converting Colors

XYZ(34.6547, 47.0235, 81.2108)

Have a look what the booklet for
XYZ(34.6547, 47.0235, 81.2108)
contains.

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Color

**XYZ(34.7971, 46.9657,
81.3600)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8E5
RGB	0, 200, 229
RGB Percent	0%, 78%, 90%
CMY	0.9998, 0.2157, 0.1020
CMYK	1.00, 0.13, 0.00, 0.10
HSL	188°, 100%, 45%
HSV	188°, 100%, 90%
XYZ	34.7971, 46.9657, 81.3600
YIQ	143.5060, -128.5090, -33.3810

Conversions

Conversions Part 2

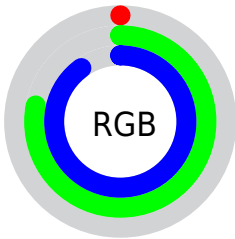
Format	Color
RYB	0, 107, 229
Decimal	51429
CIELab	74.17, -30.97, -26.03
CIELCh	74, 40.450, 220.046
Yxy	46.9657, 0.2133, 0.2879
Android (android.graphics.Color)	4278241509 (0xFF00C8E5)
YUV	143.5060, 42.1485, -125.8548
Hunter-Lab	68.5315, -29.2962, -22.4165

Details

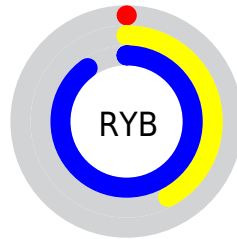
The XYZ color **34.7971, 46.9657, 81.3600** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **32.7545, 17.5398, 1.6608**, and the grayscale version is **26.1914, 27.5554, 30.0078**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **17.8217, 23.5749, 43.1463** is the 20% darker color. If you saturate the color by 10%, you get **34.7963, 46.9637, 81.3606**, and if you desaturate by 10%, it is **35.8285, 48.5050, 81.6037**.

Distribution



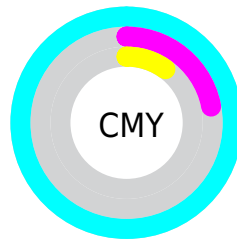
- Red (0%)
- Green (78%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7971, 46.9657, 81.3600 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 34.7971, 46.9657, 81.3600 by changing the saturation by 10% instead.

■ 34.7971, 46.9657,
81.3600

■ 34.7971, 46.9657,
81.3600

■ 315.1956,
374.6776, 519.3315

■ 23.6724, 33.0085,
60.3054

■ 66.5074, 85.6624,
137.1048

■ 15.2142, 22.1330,
43.2379

■ 87.8238, 111.1708,
172.6320

■ 9.0572, 13.9547,
29.7391

■ 113.2680,
141.2983, 213.8205

■ 4.8359, 8.0891,
19.3902

■ 143.2055,
176.4294, 261.0889

■ 2.1851, 4.1520,
11.7729

■ 178.0017,
216.9485, 314.8556

■ 0.7348, 1.7590,
6.4686

218.0219,

■ 0.0000, 0.4614,

263.2400, 375.5393

3.0587

263.6314,
315.6882, 443.5584

■ 0.0000, 0.0000,
1.1247

■ 0.0000, 0.0000,
0.0000

■ 34.7971, 46.9657,
81.3600

■ 34.7971, 46.9657,
81.3600

■ 34.7963, 46.9637,
81.3606

■ 35.8285, 48.5050,
81.6037

■ 37.2874, 50.2829,
81.8700

■ 39.3081, 52.3695,
82.1662

■ 41.9673, 54.8046,
82.4961

■ 45.3299, 57.6215,
82.8626

■ 49.4523, 60.8496,
83.2684

■ 54.3855, 64.5152,
83.7159

■ 60.1758, 68.6422,
84.2073

■ 66.8661, 73.2529,
84.7446

Harmonies

Analogous

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



32.2736, 46.9657, 58.4215



34.7971, 46.9657, 81.3600



40.0499, 46.9657, 98.5834

Triad

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



34.7971, 46.9657, 81.3600



59.0642, 46.9657, 66.0056



42.2521, 46.9657, 21.0426

Complementary

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



34.7971, 46.9657, 81.3600



32.7545, 17.5398, 1.6608

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.



49.5670, 46.9657, 22.0453



34.7971, 46.9657, 81.3600



59.8183, 46.9657, 44.4859

Square

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



34.7971, 46.9657, 81.3600



54.2211, 46.9657, 88.1864



56.1821, 46.9657, 29.5144



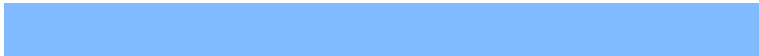
36.2589, 46.9657, 26.2624

Rectangle

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



34.7971, 46.9657, 81.3600



44.6506, 46.9657, 102.3421



56.1821, 46.9657, 29.5144



44.6283, 46.9657, 20.7058

Sweetspot

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



34.7986, 46.9674, 81.3612



69.2714, 82.2370, 106.8301



28.2155, 56.1177, 10.3675



14.2295, 17.1635, 22.8129



0.0000, 0.0000, 0.0000



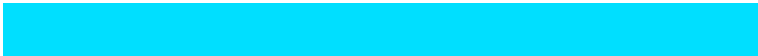
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7986, 46.9674, 81.3612



44.3579, 59.8359, 103.8193



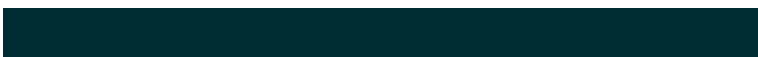
17.6186, 12.6073, 75.6345



14.6435, 16.0084, 18.4625



19.9564, 26.9748, 46.5380



1.5185, 2.0809, 3.4536

Inverse Universe

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



42.7397, 20.8297, 56.4131



54.5190, 26.5716, 71.8564



41.8740, 35.7787, 4.7006



14.9124, 14.5822, 17.7391



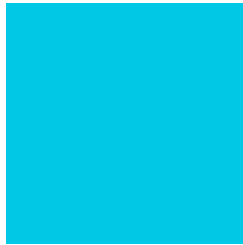
24.4666, 11.9208, 32.4155



1.8301, 0.8897, 2.5117

Previews

White Background



This preview shows how the XYZ color 34.7971, 46.9657, 81.3600 looks on a white background.

Color Contrast Check

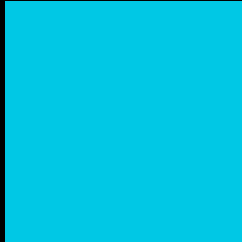
Large Text (above 18pt) WCAG AA × Fail

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 34.7971, 46.9657, 81.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

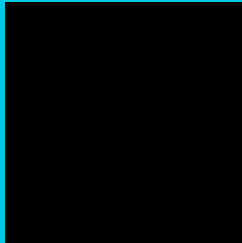
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7971, 46.9657, 81.3600

Background



This preview shows how black text looks on a background with the XYZ color 34.7971, 46.9657, 81.3600.



This preview shows how white text looks on a background with the XYZ color 34.7971, 46.9657,

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

34.7971, 46.9657, 81.3600

Protanopia

45.8414, 46.1452, 70.7808

Deuteranopia

47.3492, 46.3274, 84.2884



Tritanopia

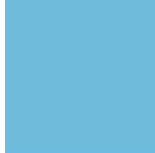
33.4110, 46.7830, 72.9147

Trichromacy



Original Color

34.7971, 46.9657, 81.3600



Protanomaly

37.2441, 44.0875, 74.2569



Deuteranomaly

38.3087, 44.1322, 82.8432



Tritanomaly

33.9378, 46.9937, 75.6886

Monochromacy



Original Color

34.7971, 46.9657, 81.3600



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.4270, 31.9214, 45.3787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7971, 46.9657, 81.3600 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, 200, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 229)  
}
```

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, 200, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 229) }
```

Border

The CSS property to change the border of an element to XYZ 34.7971, 46.9657, 81.3600 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, 200, 229) }
```


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

```
.border{ border-color:rgb(0, 200, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7971, 46.9657, 81.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 229) }
```

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

```
.background{ background-color: rgb(0, 200,  
229) }
```

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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