

Converting Colors

XYZ(34.9756, 46.4932, 81.1028)

Have a look what the booklet for
XYZ(34.9756, 46.4932, 81.1028)
contains.

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Color

**XYZ(34.9326, 46.3524,
81.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	20C6E5
RGB	32, 198, 229
RGB Percent	13%, 78%, 90%
CMY	0.8744, 0.2235, 0.1020
CMYK	0.86, 0.14, 0.00, 0.10
HSL	189°, 79%, 51%
HSV	189°, 86%, 90%
XYZ	34.9326, 46.3524, 81.2345
YIQ	151.9000, -108.8870, -25.5510

Conversions

Conversions Part 2

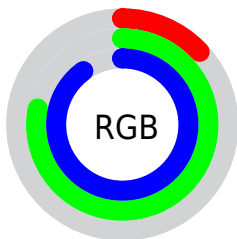
Format	Color
R_{YB}	32, 122, 229
Decimal	2148069
CIE _{Lab}	73.77, -28.80, -26.61
CIE _{LCh}	74, 39.215, 222.736
Yxy	46.3524, 0.2149, 0.2852
Android (android.graphics.Color)	4280338149 (0xFF20C6E5)
YUV	151.9000, 38.0103, -105.1523
Hunter-Lab	68.0826, -27.5577, -23.0856

Details

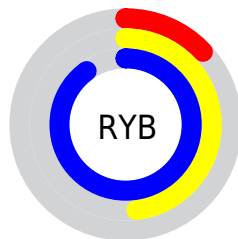
The XYZ color **34.9326, 46.3524, 81.2345** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.3532, 20.3201, 3.4797**, and the grayscale version is **29.6804, 31.2261, 34.0052**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **17.5161, 22.9636, 43.0444** is the 20% darker color. If you saturate the color by 10%, you get **33.6379, 44.4775, 80.9417**, and if you desaturate by 10%, it is **36.7427, 48.5239, 81.5591**.

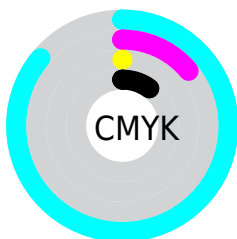
Distribution



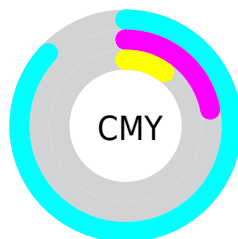
- Red (13%)
- Green (78%)
- Blue (90%)



- Red (13%)
- Yellow (48%)
- Blue (90%)



- Cyan (86%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (87%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9326, 46.3524, 81.2345 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 34.9326, 46.3524, 81.2345 by changing the saturation by 10% instead.

34.9326, 46.3524,
81.2345

34.9326, 46.3524,
81.2345

315.7840,
372.2236, 518.8996

23.7772, 32.5240,
60.2026

66.7161, 84.7461,
136.9270

15.2923, 21.7620,
43.1556

88.0748, 110.0803,
172.4247

9.1124, 13.6822,
29.6749

113.5655,
140.0185, 213.5815

4.8723, 7.8999,
19.3420

143.5533,
174.9450, 260.8158

2.2065, 4.0310,
11.7384

178.4038,
215.2445, 314.5462

0.7462, 1.6909,
6.4454

218.4821,

0.0000, 0.4178,

261.3011, 375.1913

3.0446

264.1537,
313.4994, 443.1696

■ 0.0000, 0.0000,
1.1175

■ 0.0000, 0.0000,
0.0000

■ 34.9326, 46.3524,
81.2345

■ 34.9326, 46.3524,
81.2345

■ 33.6379, 44.4775,
80.9417

■ 36.7427, 48.5239,
81.5591

■ 33.2048, 43.7808,
80.8301

■ 39.1522, 51.0328,
81.9164

■ 42.2339, 53.9178,
82.3108

■ 46.0491, 57.2105,
82.7453

■ 50.6519, 60.9392,
83.2224

■ 56.0914, 65.1293,
83.7445

■ 62.4125, 69.8041,
84.3137

■ 69.6568, 74.9852,
84.9319

■ 77.8633, 80.6931,
85.6011

Harmonies

Analogous

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



32.2406, 46.3524, 59.4079



34.9326, 46.3524, 81.2345



40.1997, 46.3524, 96.6800

Triad

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



34.9326, 46.3524, 81.2345



58.1254, 46.3524, 62.7320



41.1692, 46.3524, 21.5379

Complementary

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



34.9326, 46.3524, 81.2345



34.3532, 20.3201, 3.4797

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.



48.1525, 46.3524, 21.9856



34.9326, 46.3524, 81.2345



58.4555, 46.3524, 42.4766

Square

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



34.9326, 46.3524, 81.2345



53.7858, 46.3524, 84.2138



54.6451, 46.3524, 28.6569



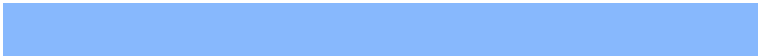
35.5776, 46.3524, 27.2122

Rectangle

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



34.9326, 46.3524, 81.2345



44.6990, 46.3524, 99.3017



54.6451, 46.3524, 28.6569



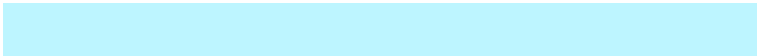
43.4203, 46.3524, 21.0317

Sweetspot

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



34.9341, 46.3541, 81.2356



71.4833, 83.0432, 106.8691



29.4738, 56.6898, 13.8846



14.7570, 17.3617, 22.8233



0.0000, 0.0000, 0.0000



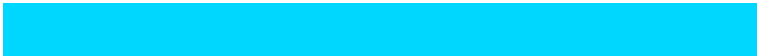
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9341, 46.3541, 81.2356



42.3175, 55.7549, 103.1392



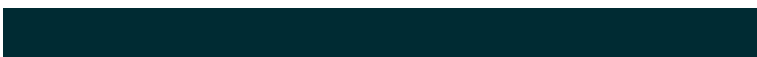
19.3898, 15.2654, 76.0542



14.6042, 15.9297, 18.4494



19.0580, 25.1780, 46.2386



1.4605, 1.9649, 3.4343

Inverse Universe

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



43.0240, 21.7698, 55.3621



53.4891, 26.1596, 66.4329



45.1556, 41.9247, 7.0805



14.8925, 14.5742, 17.6345



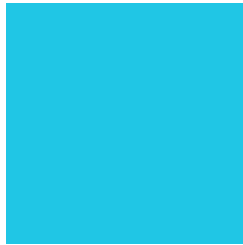
24.0131, 11.7395, 30.0276



1.8008, 0.8780, 2.3576

Previews

White Background



This preview shows how the XYZ color 34.9326, 46.3524, 81.2345 looks on a white background.

Color Contrast Check

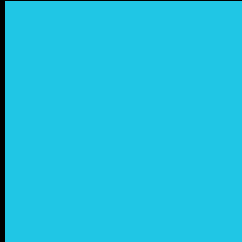
Large Text (above 18pt) WCAG AA × Fail

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 34.9326, 46.3524, 81.2345 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 34.9326, 46.3524, 81.2345

Background



This preview shows how black text looks on a background with the XYZ color 34.9326, 46.3524, 81.2345.

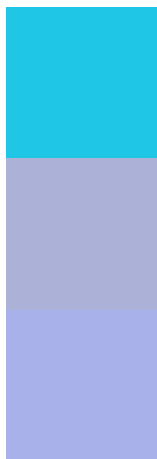


This preview shows how white text looks on a background with the XYZ color 34.9326, 46.3524,

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

34.9326, 46.3524, 81.2345

Protanopia

45.1994, 45.5177, 70.6935

Deuteranopia

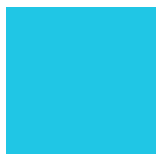
46.7219, 45.7096, 84.2022



Tritanopia

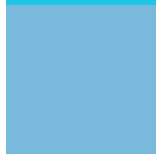
33.0489, 46.2664, 72.1542

Trichromacy



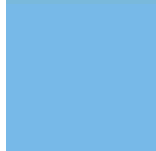
Original Color

34.9326, 46.3524, 81.2345



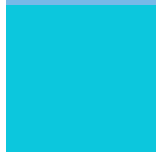
Protanomaly

38.1524, 43.9302, 74.1787



Deuteranomaly

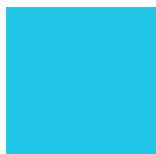
39.5222, 44.4461, 82.8398



Tritanomaly

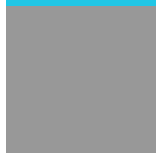
33.6262, 46.1455, 75.5413

Monochromacy



Original Color

34.9326, 46.3524, 81.2345



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.6105, 34.8594, 48.4006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9326, 46.3524, 81.2345 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(32, 198, 229)` looks like.

```
.text, #text, p{  
    color:rgb(32, 198, 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(32, 198, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 198, 229) }
```

Border

The CSS property to change the border of an element to XYZ 34.9326, 46.3524, 81.2345 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(32, 198, 229) }
```


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

```
.border{ border-color:rgb(32, 198, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 198, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 198, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 198, 229);  
box-shadow:4px 4px 4px 4px rgb(32, 198,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9326, 46.3524, 81.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 198, 229) }
```

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

```
.background{ background-color: rgb(32, 198,  
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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