

Converting Colors

XYZ(29.9421, 34.8780, 85.2736)

Have a look what the booklet for
XYZ(29.9421, 34.8780, 85.2736)
contains.

XYZ(30.0375, 35.0581, 85.3045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0375, 35.0581,
85.3045)**

Conversions

Conversions Part 1

Format	Color
Hex	18AAED
RGB	24, 170, 237
RGB Percent	9%, 67%, 93%
CMY	0.9057, 0.3333, 0.0706
CMYK	0.90, 0.28, 0.00, 0.07
HSL	199°, 86%, 51%
HSV	199°, 90%, 93%
XYZ	30.0375, 35.0581, 85.3045
YIQ	133.9840, -108.5230, -10.1150

Conversions

Conversions Part 2

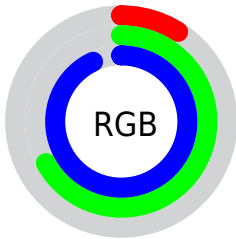
Format	Color
RYB	24, 111, 237
Decimal	1616621
CIELab	65.79, -11.99, -43.35
CIELCh	66, 44.977, 254.545
Yxy	35.0581, 0.1997, 0.2331
Android (android.graphics.Color)	4279806701 (0xFF18AAED)
YUV	133.9840, 50.7869, -96.4560
Hunter-Lab	59.2099, -13.0633, -43.9730

Details

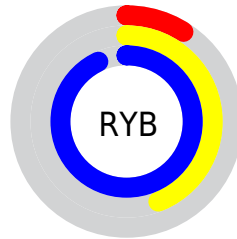
The XYZ color **30.0375, 35.0581, 85.3045** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **38.8345, 25.5587, 3.7525**, and the grayscale version is **22.5063, 23.6783, 25.7857**.

A 20% lighter version of the original color is **51.7853, 64.5811, 104.3438**, and **14.8189, 16.2931, 46.0799** is the 20% darker color. If you saturate the color by 10%, you get **28.3071, 32.1501, 84.8351**, and if you desaturate by 10%, it is **32.3054, 38.3619, 85.8234**.

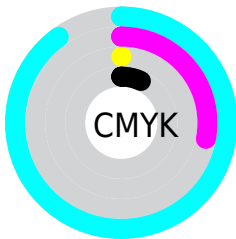
Distribution



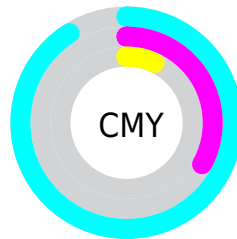
- Red (9%)
- Green (67%)
- Blue (93%)



- Red (9%)
- Yellow (44%)
- Blue (93%)



- Cyan (90%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (91%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0375, 35.0581, 85.3045 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 30.0375, 35.0581, 85.3045 by changing the saturation by 10% instead.

■ 30.0375, 35.0581,
85.3045

■ 30.0375, 35.0581,
85.3045

293.9859,
324.8247, 532.8059

■ 20.0153, 23.7076,
63.5414

■ 59.1077, 67.5758,
142.6765

■ 12.5145, 15.1169,
45.8355

■ 78.8864, 89.5118,
179.1224

■ 7.1698, 8.9015,
31.7683

■ 102.6479,
115.7450, 221.2998

■ 3.6158, 4.6770,
20.9213

■ 130.7577,
146.6600, 269.6270

■ 1.4871, 2.0590,
12.8758

■ 163.5810,
182.6411, 324.5227

■ 0.3171, 0.6414,
7.2133

201.4832,

■ 0.0000, 0.0000,

224.0726, 386.4054

3.5154

244.8297,
271.3390, 455.6936

■ 0.0000, 0.0000,
1.3635

■ 0.0000, 0.0000,
0.1130

■ 30.0375, 35.0581,
85.3045

■ 30.0375, 35.0581,
85.3045

■ 28.3071, 32.1501,
84.8351

■ 32.3054, 38.3619,
85.8234

■ 28.2843, 32.1107,
84.8287

■ 35.2477, 42.1325,
86.3961

■ 38.9505, 46.4166,
87.0279

■ 43.4853, 51.2527,
87.7223

■ 48.9147, 56.6751,
88.4828

■ 55.2952, 62.7145,
89.3122

■ 62.6780, 69.3990,
90.2133

■ 71.1109, 76.7548,
91.1887

■ 80.6382, 84.8066,
92.2407

Harmonies

Analogous

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



25.0341, 35.0581, 69.9511



30.0375, 35.0581, 85.3045



36.6281, 35.0581, 85.5614

Triad

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



30.0375, 35.0581, 85.3045



47.2528, 35.0581, 29.7150



25.1527, 35.0581, 17.6107

Complementary

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



30.0375, 35.0581, 85.3045



38.8345, 25.5587, 3.7525

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.



30.2205, 35.0581, 12.6104



30.0375, 35.0581, 85.3045



43.2620, 35.0581, 17.8568

Square

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



30.0375, 35.0581, 85.3045



47.1866, 35.0581, 48.7557



36.8369, 35.0581, 12.6823



22.4795, 35.0581, 29.2433

Rectangle

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



30.0375, 35.0581, 85.3045



41.0889, 35.0581, 76.8504



36.8369, 35.0581, 12.6823



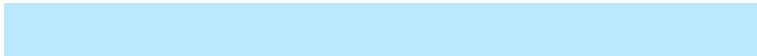
26.6007, 35.0581, 15.2998

Sweetspot

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



30.0388, 35.0593, 85.3054



67.5714, 76.1484, 105.7445



32.4203, 61.4669, 19.3717



13.8585, 15.7423, 22.5581



0.0000, 0.0000, 0.0000



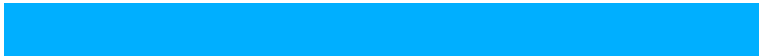
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0388, 35.0593, 85.3054



33.3367, 37.7933, 100.1456



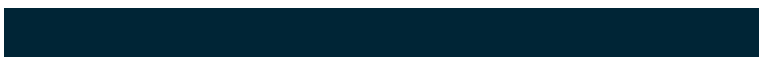
17.6488, 10.2793, 81.1754



15.0948, 16.2761, 19.2683



15.5648, 17.7766, 46.3538



1.3077, 1.5669, 3.6684

Inverse Universe

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



42.5086, 21.5617, 39.9525



48.9560, 24.3464, 42.5619



54.4732, 56.8361, 8.9654



15.5014, 15.2284, 17.9257



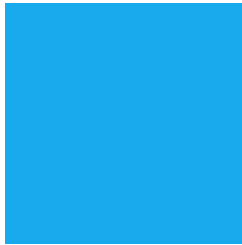
22.7117, 11.2874, 20.0809



1.8266, 0.9036, 1.8041

Previews

White Background



This preview shows how the XYZ color 30.0375, 35.0581, 85.3045 looks on a white background.

Color Contrast Check

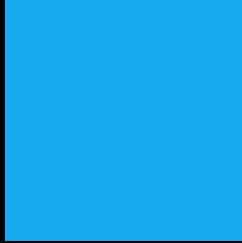
Large Text (above 18pt) WCAG AA × Fail

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 30.0375, 35.0581, 85.3045 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

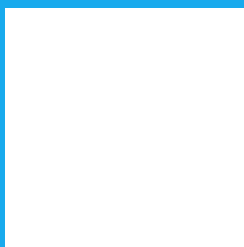
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0375, 35.0581, 85.3045

Background



This preview shows how black text looks on a background with the XYZ color 30.0375, 35.0581, 85.3045.



This preview shows how white text looks on a background with the XYZ color 30.0375, 35.0581,

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

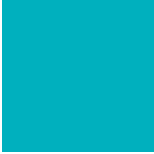
30.0375, 35.0581, 85.3045

Protanopia

35.9325, 34.5863, 76.7335

Deuteranopia

35.7008, 34.7381, 87.2616



Tritanopia

24.8196, 34.7684, 54.1180

Trichromacy



Original Color

30.0375, 35.0581, 85.3045

Protanomaly

31.8517, 33.6897, 79.6869

Deuteranomaly

32.2466, 34.0040, 86.5252

Tritanomaly

26.5112, 34.8352, 64.3581

Monochromacy



Original Color

30.0375, 35.0581, 85.3045

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4005, 26.1874, 42.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0375, 35.0581, 85.3045 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(24, 170, 237)` looks like.

```
.text, #text, p{  
    color:rgb(24, 170, 237)  
}
```

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(24, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 170, 237) }
```

Border

The CSS property to change the border of an element to XYZ 30.0375, 35.0581, 85.3045 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(24, 170, 237) }
```


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

```
.border{ border-color:rgb(24, 170, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 170,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0375, 35.0581, 85.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 170, 237) }
```

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

```
.background{ background-color: rgb(24, 170,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor