

Converting Colors

XYZ(29.5532, 34.0605, 85.1385)

Have a look what the booklet for
XYZ(29.5532, 34.0605, 85.1385)
contains.

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Color

**XYZ(29.5057, 33.9585,
85.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	19A7ED
RGB	25, 167, 237
RGB Percent	10%, 65%, 93%
CMY	0.9018, 0.3451, 0.0706
CMYK	0.89, 0.30, 0.00, 0.07
HSL	200°, 85%, 51%
HSV	200°, 89%, 93%
XYZ	29.5057, 33.9585, 85.1203
YIQ	132.5220, -107.1020, -8.3340

Conversions

Conversions Part 2

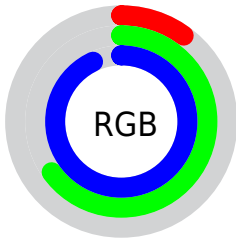
Format	Color
R _Y B	25, 110, 237
Decimal	1681389
CIE Lab	64.93, -10.28, -44.71
CIE LCh	65, 45.875, 257.048
Yxy	33.9585, 0.1986, 0.2285
Android (android.graphics.Color)	4279871469 (0xFF19A7ED)
YUV	132.5220, 51.5077, -94.2968
Hunter-Lab	58.2739, -11.5999, -45.8127

Details

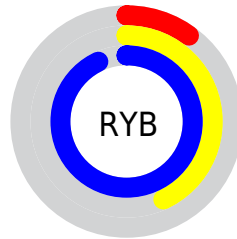
The XYZ color **29.5057, 33.9585, 85.1203** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **39.1965, 26.2655, 3.9255**, and the grayscale version is **21.9720, 23.1163, 25.1736**.

A 20% lighter version of the original color is **50.9813, 62.9733, 104.0758**, and **14.4712, 15.5977, 45.9640** is the 20% darker color. If you saturate the color by 10%, you get **27.7311, 30.9796, 84.6396**, and if you desaturate by 10%, it is **31.8366, 37.3540, 85.6536**.

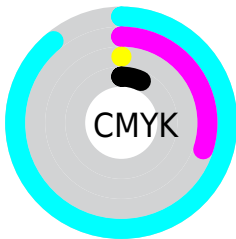
Distribution



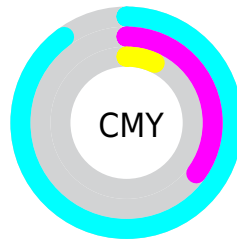
- Red (10%)
- Green (65%)
- Blue (93%)



- Red (10%)
- Yellow (43%)
- Blue (93%)



- Cyan (89%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)



- Cyan (90%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5057, 33.9585, 85.1203 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 29.5057, 33.9585, 85.1203 by changing the saturation by 10% instead.

■ 29.5057, 33.9585,
85.1203

■ 29.5057, 33.9585,
85.1203

291.5449,
319.9470, 532.1810

■ 19.6099, 22.8617,
63.3901

■ 58.2716, 65.8691,
142.4169

■ 12.2184, 14.4914,
45.7138

■ 77.8724, 87.4518,
178.8203

■ 6.9659, 8.4633,
31.6730

■ 101.4390,
113.2985, 220.9519

■ 3.4869, 4.3928,
20.8491

■ 129.3366,
143.7937, 269.2302

■ 1.4162, 1.8956,
12.8236

■ 161.9306,
179.3217, 324.0737

■ 0.2677, 0.5457,
7.1779

199.5865,

■ 0.0000, 0.0000,

220.2670, 385.9010

3.4935

242.6694,
267.0140, 455.1306

■ 0.0000, 0.0000,
1.3518

■ 0.0000, 0.0000,
0.1037

■ 29.5057, 33.9585,
85.1203

■ 29.5057, 33.9585,
85.1203

■ 27.7311, 30.9796,
84.6396

■ 31.8366, 37.3540,
85.6536

■ 27.6387, 30.8195,
84.6135

■ 34.8536, 41.2338,
86.2434

■ 38.6422, 45.6445,
86.8951

■ 43.2737, 50.6250,
87.6123

■ 48.8105, 56.2096,
88.3984

■ 55.3091, 62.4293,
89.2564

■ 62.8208, 69.3126,
90.1891

■ 71.3933, 76.8859,
91.1991

■ 81.0710, 85.1741,
92.2888

Harmonies

Analogous

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



24.3541, 33.9585, 70.6061



29.5057, 33.9585, 85.1203



36.1556, 33.9585, 83.9495

Triad

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



29.5057, 33.9585, 85.1203



46.0458, 33.9585, 27.2807



23.8246, 33.9585, 17.2766

Complementary

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



29.5057, 33.9585, 85.1203



39.1965, 26.2655, 3.9255

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.



28.6854, 33.9585, 11.9196



29.5057, 33.9585, 85.1203



41.7540, 33.9585, 16.1904

Square

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



29.5057, 33.9585, 85.1203



46.3450, 33.9585, 45.7662



35.2156, 33.9585, 11.6052



21.3891, 33.9585, 29.3885

Rectangle

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



29.5057, 33.9585, 85.1203



40.5725, 33.9585, 74.3881



35.2156, 33.9585, 11.6052



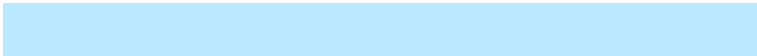
25.1963, 33.9585, 14.8376

Sweetspot

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



29.5070, 33.9596, 85.1212



67.2669, 75.5394, 105.6430



32.6249, 61.5515, 20.3224



13.7862, 15.5978, 22.5340



0.0000, 0.0000, 0.0000



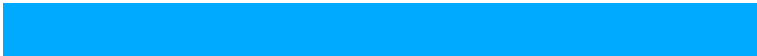
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5070, 33.9596, 85.1212



32.5732, 36.2663, 99.8911



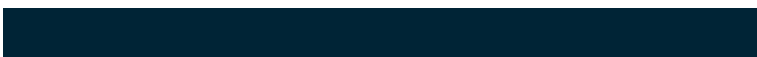
17.5154, 9.9766, 81.1240



15.0742, 16.2349, 19.2614



15.2147, 17.0764, 46.2371



1.2822, 1.5158, 3.6599

Inverse Universe

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



42.2489, 21.4915, 38.4815



48.5706, 24.1922, 40.5325



55.3274, 58.5274, 9.3025



15.4910, 15.2243, 17.8710



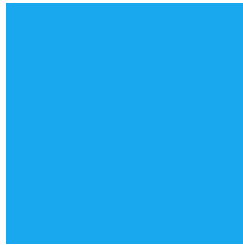
22.5350, 11.2167, 19.1503



1.8137, 0.8984, 1.7362

Previews

White Background



This preview shows how the XYZ color 29.5057, 33.9585, 85.1203 looks on a white background.

Color Contrast Check

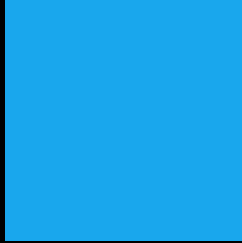
Large Text (above 18pt) WCAG AA × Fail

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 29.5057, 33.9585, 85.1203 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

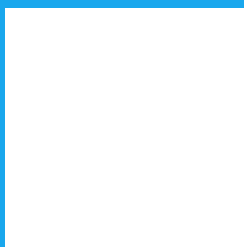
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5057, 33.9585, 85.1203

Background



This preview shows how black text looks on a background with the XYZ color 29.5057, 33.9585, 85.1203.

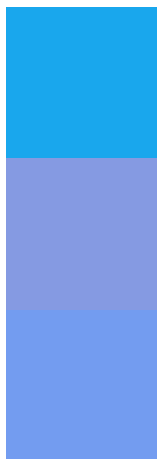


This preview shows how white text looks on a background with the XYZ color 29.5057, 33.9585,

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

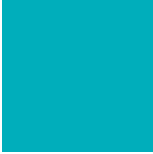
29.5057, 33.9585, 85.1203

Protanopia

34.9559, 33.5887, 76.5924

Deuteranopia

34.6869, 33.7130, 87.1171



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

29.5057, 33.9585, 85.1203

Protanomaly

31.2972, 32.8891, 79.5616

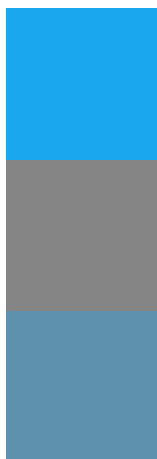
Deuteranomaly

31.6305, 33.1674, 86.3962

Tritanomaly

25.6950, 33.5917, 62.8872

Monochromacy



Original Color

29.5057, 33.9585, 85.1203

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0922, 25.5708, 42.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5057, 33.9585, 85.1203 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(25, 167, 237)` looks like.

```
.text, #text, p{  
    color:rgb(25, 167, 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(25, 167, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 167, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.5057, 33.9585, 85.1203 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(25, 167, 237) }
```


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

```
.border{ border-color:rgb(25, 167, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 167, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 167, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 167, 237);  
box-shadow:4px 4px 4px 4px rgb(25, 167,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5057, 33.9585, 85.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 167, 237) }
```

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

```
.background{ background-color: rgb(25, 167,  
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](#).

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