

Converting Colors

XYZ(35.9078, 46.3997, 85.7092)

Have a look what the booklet for
XYZ(35.9078, 46.3997, 85.7092)
contains.

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Color

**XYZ(35.9165, 46.4229,
85.6648)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC5EB
RGB	42, 197, 235
RGB Percent	16%, 77%, 92%
CMY	0.8352, 0.2274, 0.0784
CMYK	0.82, 0.16, 0.00, 0.08
HSL	192°, 83%, 54%
HSV	192°, 82%, 92%
XYZ	35.9165, 46.4229, 85.6648
YIQ	154.9870, -104.5780, -21.0420

Conversions

Conversions Part 2

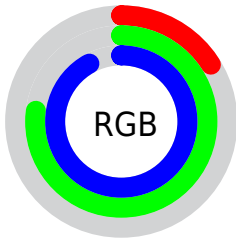
Format	Color
R_{YB}	42, 128, 235
Decimal	2803179
CIE _{Lab}	73.82, -25.67, -29.77
CIE _{LCh}	74, 39.310, 229.235
Yxy	46.4229, 0.2138, 0.2763
Android (android.graphics.Color)	4280993259 (0xFF2AC5EB)
YUV	154.9870, 39.4464, -99.0896
Hunter-Lab	68.1344, -25.1402, -26.8508

Details

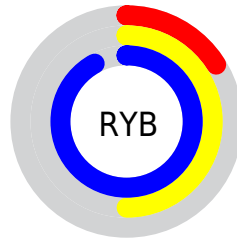
The XYZ color **35.9165, 46.4229, 85.6648** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.5496, 23.5696, 4.7626**, and the grayscale version is **31.0172, 32.6325, 35.5368**.

A 20% lighter version of the original color is **61.3770, 82.1686, 107.2330**, and **17.9591, 22.8996, 46.1213** is the 20% darker color. If you saturate the color by 10%, you get **34.1870, 43.9962, 85.2885**, and if you desaturate by 10%, it is **38.2439, 49.2074, 86.0805**.

Distribution



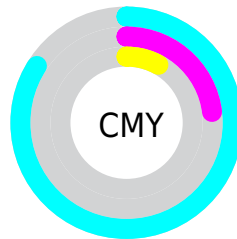
- Red (16%)
- Green (77%)
- Blue (92%)



- Red (16%)
- Yellow (50%)
- Blue (92%)



- Cyan (82%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (84%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9165, 46.4229, 85.6648 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 35.9165, 46.4229, 85.6648 by changing the saturation by 10% instead.

35.9165, 46.4229,
85.6648

35.9165, 46.4229,
85.6648

320.0330,
372.5062, 534.0271

24.5395, 32.5797,
63.8375

68.2279, 84.8516,
143.1840

15.8612, 21.8046,
46.0737

89.8930, 110.2058,
179.7131

9.5162, 13.7134,
31.9549

115.7182,
140.1658, 221.9798

5.1392, 7.9216,
21.0625

146.0689,
175.1159, 270.4027

2.3648, 4.0448,
12.9780

181.3103,
215.4407, 325.4003

0.8275, 1.6987,
7.2829

221.8079,

0.0000, 0.4228,

261.5244, 387.3912

3.5585

267.9270,
313.7514, 456.7940

■ 0.0000, 0.0000,
1.3864

■ 0.0000, 0.0000,
0.1311

■ 35.9165, 46.4229,
85.6648

■ 35.9165, 46.4229,
85.6648

■ 34.1870, 43.9962,
85.2885

■ 38.2439, 49.2074,
86.0805

■ 33.1349, 42.2769,
85.0121

■ 41.2505, 52.3895,
86.5363

■ 45.0095, 56.0082,
87.0366

■ 49.5830, 60.0959,
87.5846

■ 55.0266, 64.6817,
88.1828

■ 61.3908, 69.7920,
88.8337

■ 68.7221, 75.4511,
89.5397

■ 77.0639, 81.6819,
90.3027

■ 86.4568, 88.5056,
91.1247

Harmonies

Analogous

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



32.6111, 46.4229, 64.3177



35.9165, 46.4229, 85.6648



41.6604, 46.4229, 98.5756

Triad

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



35.9165, 46.4229, 85.6648



58.6884, 46.4229, 58.0826



39.8422, 46.4229, 22.2176

Complementary

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



35.9165, 46.4229, 85.6648



37.5496, 23.5696, 4.7626

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.



46.6819, 46.4229, 21.3778



35.9165, 46.4229, 85.6648



58.0692, 46.4229, 38.8965

Square

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



35.9165, 46.4229, 85.6648



55.1062, 46.4229, 80.0767



53.4943, 46.4229, 26.6386



34.7067, 46.4229, 29.3484

Rectangle

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



35.9165, 46.4229, 85.6648



46.3159, 46.4229, 98.8545



53.4943, 46.4229, 26.6386



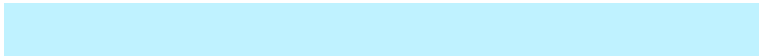
42.0016, 46.4229, 21.2774

Sweetspot

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



35.9180, 46.4245, 85.6659



71.4843, 82.0998, 106.6870



32.0180, 60.4515, 17.0761



14.7200, 17.1070, 22.7761



0.0000, 0.0000, 0.0000



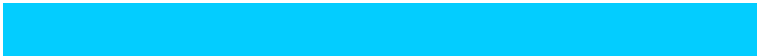
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9180, 46.4245, 85.6659



39.9831, 51.0389, 102.3519



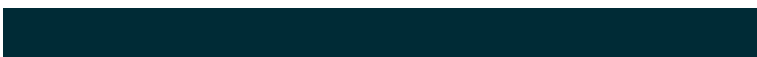
20.8144, 16.2173, 80.6314



15.2511, 16.5886, 19.3203



18.5324, 23.7117, 47.3430



1.5194, 1.9903, 3.7390

Inverse Universe

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



45.1683, 23.3510, 54.9514



52.3224, 25.7372, 60.1526



49.7945, 48.0594, 8.8442



15.5803, 15.2600, 18.3410



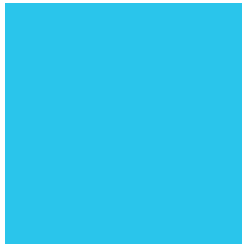
24.2096, 11.8865, 27.9687



1.9334, 0.9463, 2.3668

Previews

White Background



This preview shows how the XYZ color 35.9165, 46.4229, 85.6648 looks on a white background.

Color Contrast Check

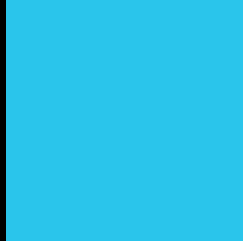
Large Text (above 18pt) WCAG AA × Fail

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 35.9165, 46.4229, 85.6648 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

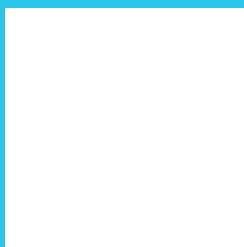
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9165, 46.4229, 85.6648

Background



This preview shows how black text looks on a background with the XYZ color 35.9165, 46.4229, 85.6648.

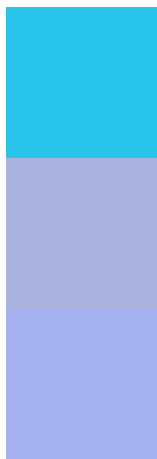


This preview shows how white text looks on a background with the XYZ color 35.9165, 46.4229,

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

35.9165, 46.4229, 85.6648

Protanopia

45.6828, 45.6608, 75.5129

Deuteranopia

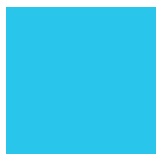
46.8192, 45.6756, 88.0100



Tritanopia

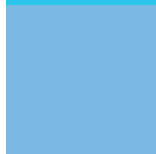
33.0489, 46.2664, 72.1542

Trichromacy



Original Color

35.9165, 46.4229, 85.6648



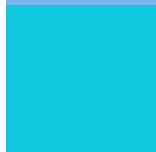
Protanomaly

39.3825, 44.4549, 79.1780



Deuteranomaly

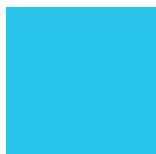
40.3188, 44.4471, 87.3430



Tritanomaly

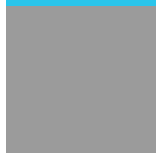
33.9397, 46.2761, 76.9554

Monochromacy



Original Color

35.9165, 46.4229, 85.6648



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.9659, 35.7875, 50.6757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9165, 46.4229, 85.6648 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(42, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(42, 197, 235)  
}
```

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(42, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 197, 235) }
```

Border

The CSS property to change the border of an element to XYZ 35.9165, 46.4229, 85.6648 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(42, 197, 235) }
```


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

```
.border{ border-color:rgb(42, 197, 235) }
```

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

Here you see how a box with a 4 pixel rgb(42, 197, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(42, 197,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9165, 46.4229, 85.6648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 197, 235) }
```

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

```
.background{ background-color: rgb(42, 197,  
235) }
```

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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