

Converting Colors

XYZ(34.1944, 36.7835, 98.3632)

Have a look what the booklet for
XYZ(34.1944, 36.7835, 98.3632)
contains.

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Color

**XYZ(34.2843, 36.9651,
98.2565)**

Conversions

Conversions Part 1

Format	Color
Hex	41AAFD
RGB	65, 170, 253
RGB Percent	25%, 67%, 99%
CMY	0.7450, 0.3333, 0.0078
CMYK	0.74, 0.33, 0.00, 0.01
HSL	206°, 98%, 62%
HSV	206°, 74%, 99%
XYZ	34.2843, 36.9651, 98.2565
YIQ	148.0670, -89.2230, 3.5530

Conversions

Conversions Part 2

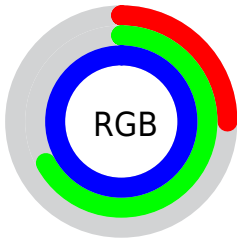
Format	Color
R _{YB}	65, 132, 253
Decimal	4303613
CIE Lab	67.25, -2.92, -49.73
CIE LCh	67, 49.819, 266.643
Yxy	36.9651, 0.2023, 0.2181
Android (android.graphics.Color)	4282493693 (0xFF41AAFD)
YUV	148.0670, 51.7320, -72.8498
Hunter-Lab	60.7989, -5.7426, -53.2587

Details

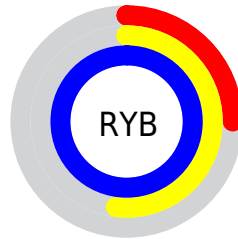
The XYZ color **34.2843, 36.9651, 98.2565** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **52.0548, 42.4485, 10.4529**, and the grayscale version is **27.9961, 29.4541, 32.0755**.

A 20% lighter version of the original color is **54.9669, 66.2213, 104.4927**, and **16.4422, 16.9424, 54.6282** is the 20% darker color. If you saturate the color by 10%, you get **30.9629, 32.2756, 97.5272**, and if you desaturate by 10%, it is **38.5357, 42.3991, 99.0821**.

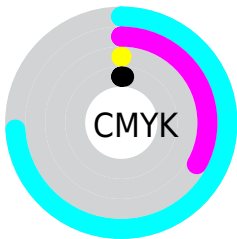
Distribution



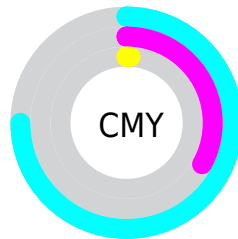
- Red (25%)
- Green (67%)
- Blue (99%)



- Red (25%)
- Yellow (52%)
- Blue (99%)



- Cyan (74%)
- Magenta (33%)
- Yellow (0%)
- Black (1%)





- Cyan (75%)
- Magenta (33%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2843, 36.9651, 98.2565 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 34.2843, 36.9651, 98.2565 by changing the saturation by 10% instead.


 34.2843, 36.9651,
98.2565


 34.2843, 36.9651,
98.2565

312.9615,
333.1594, 575.7871


 23.2760, 25.1805,
74.2365


 65.7169, 70.5191,
160.7901


 14.9193, 16.2116,
54.4897


 86.8719, 93.0573,
200.1407

 8.8487, 9.6740,
38.5975


 112.1399,
119.9487, 245.4387

 4.6989, 5.1833,
26.1413

 141.8862,
151.5779, 297.1025

 2.1047, 2.3552,
16.7027

176.4761,
188.3292, 355.5507

 0.6917, 0.8027,
9.8630

216.2751,

 0.0000, 0.0000,

230.5869, 421.2019

5.2038

261.6484,
278.7355, 494.4745

■ 0.0000, 0.0000,
2.3065

■ 0.0000, 0.0000,
0.7349

■ 34.2843, 36.9651,
98.2565

■ 34.2843, 36.9651,
98.2565

■ 30.9629, 32.2756,
97.5272

■ 38.5357, 42.3991,
99.0821

■ 28.4542, 28.2622,
96.8847

■ 43.8059, 48.6284,
100.0067

■ 27.2985, 26.2295,
96.5533

■ 50.1769, 55.7016,
101.0362

■ 57.7204, 63.6618,
102.1750

■ 66.5017, 72.5482,
103.4275

■ 76.5810, 82.3974,
104.7973

■ 88.0142, 93.2438,
106.2883

■ 94.7298, 99.8719,
107.2137

Harmonies

Analogous

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



27.6866, 36.9651, 86.3828



34.2843, 36.9651, 98.2565



42.1134, 36.9651, 90.5306

Triad

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



34.2843, 36.9651, 98.2565



49.9041, 36.9651, 24.2286



24.2740, 36.9651, 21.3229

Complementary

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



34.2843, 36.9651, 98.2565



52.0548, 42.4485, 10.4529

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.



28.9722, 36.9651, 13.2088



34.2843, 36.9651, 98.2565



43.8103, 36.9651, 14.4111

Square

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



34.2843, 36.9651, 98.2565



51.8608, 36.9651, 42.7529



35.9981, 36.9651, 11.2333



22.4570, 36.9651, 37.8442

Rectangle

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



34.2843, 36.9651, 98.2565



46.8843, 36.9651, 76.4218



35.9981, 36.9651, 11.2333



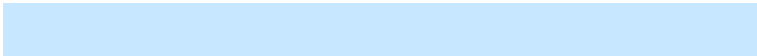
25.5322, 36.9651, 17.7879

Sweetspot

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



34.2857, 36.9663, 98.2574



69.9378, 76.0707, 105.6047



42.5318, 73.4656, 39.3268



14.4055, 15.7235, 22.5256



0.0000, 0.0000, 0.0000



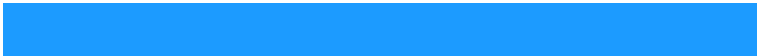
20.3446, 21.4041, 23.3091

Same Dimension

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



34.2857, 36.9663, 98.2574



30.2181, 30.8432, 98.9684



22.6029, 13.6007, 94.3632



17.8445, 19.0606, 22.9885



14.6695, 14.2485, 51.4117



1.5373, 1.6052, 5.0421

Inverse Universe

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



49.6553, 27.5673, 40.7350



47.5559, 24.4527, 33.1349



72.7611, 83.8610, 17.3550



18.4342, 18.1570, 20.9034



24.1927, 12.1664, 14.9309



2.4105, 1.2066, 1.7433

Previews

White Background



This preview shows how the XYZ color 34.2843, 36.9651, 98.2565 looks on a white background.

Color Contrast Check

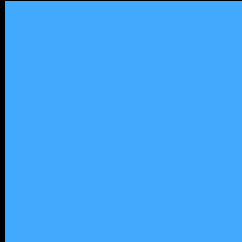
Large Text (above 18pt) WCAG AA × Fail

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 34.2843, 36.9651, 98.2565 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

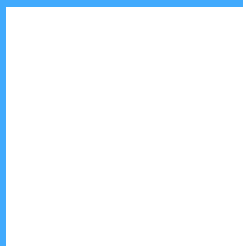
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2843, 36.9651, 98.2565

Background



This preview shows how black text looks on a background with the XYZ color 34.2843, 36.9651, 98.2565.



This preview shows how white text looks on a background with the XYZ color 34.2843, 36.9651,

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

34.2843, 36.9651, 98.2565

Protanopia

38.5728, 36.6598, 90.6310

Deuteranopia

37.9572, 36.9251, 99.7344



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

34.2843, 36.9651, 98.2565

Protanomaly

36.2483, 36.4545, 93.1216

Deuteranomaly

36.3495, 36.9150, 98.9754

Tritanomaly

28.4935, 36.5963, 70.5278

Monochromacy



Original Color

34.2843, 36.9651, 98.2565

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2226, 31.1737, 50.9840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2843, 36.9651, 98.2565 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(65, 170, 253)` looks like.

```
.text, #text, p{  
    color:rgb(65, 170, 253)  
}
```

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(65, 170, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 170, 253) }
```

Border

The CSS property to change the border of an element to XYZ 34.2843, 36.9651, 98.2565 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(65, 170, 253) }
```


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

```
.border{ border-color:rgb(65, 170, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 170, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 170, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 170, 253);  
box-shadow:4px 4px 4px 4px rgb(65, 170,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2843, 36.9651, 98.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 170, 253) }
```

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

```
.background{ background-color: rgb(65, 170,  
253) }
```

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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