

Converting Colors

XYZ(34.7779, 35.5934, 81.3028)

Have a look what the booklet for
XYZ(34.7779, 35.5934, 81.3028)
contains.

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Color

**XYZ(34.8651, 35.7336,
81.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	74A3E8
RGB	116, 163, 232
RGB Percent	45%, 64%, 91%
CMY	0.5451, 0.3608, 0.0902
CMYK	0.50, 0.30, 0.00, 0.09
HSL	216°, 72%, 68%
HSV	216°, 50%, 91%
XYZ	34.8651, 35.7336, 81.4036
YIQ	156.8130, -50.1610, 11.4950

Conversions

Conversions Part 2

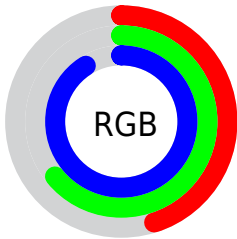
Format	Color
R _Y B	116, 149, 232
Decimal	7644136
CIE Lab	66.32, 3.11, -39.60
CIE LCh	66, 39.718, 274.493
Yxy	35.7336, 0.2294, 0.2351
Android (android.graphics.Color)	4285834216 (0xFF74A3E8)
YUV	156.8130, 37.0672, -35.7930
Hunter-Lab	59.7776, -0.5012, -38.8953

Details

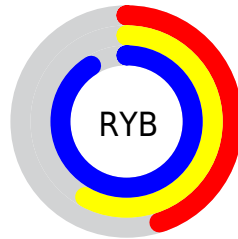
The XYZ color **34.8651, 35.7336, 81.4036** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.7813, 53.1163, 23.9424**, and the grayscale version is **31.8199, 33.4770, 36.4565**.

A 20% lighter version of the original color is **60.3550, 66.2470, 104.2137**, and **15.3180, 15.5928, 43.2767** is the 20% darker color. If you saturate the color by 10%, you get **29.8396, 29.7022, 80.5050**, and if you desaturate by 10%, it is **40.9306, 42.6993, 82.4291**.

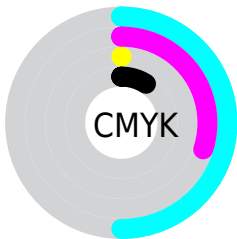
Distribution



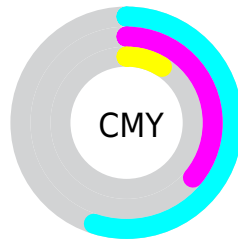
- Red (45%)
- Green (64%)
- Blue (91%)



- Red (45%)
- Yellow (58%)
- Blue (91%)



- Cyan (50%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (55%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8651, 35.7336, 81.4036 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 34.8651, 35.7336, 81.4036 by changing the saturation by 10% instead.

■ 34.8651, 35.7336,
81.4036

■ 34.8651, 35.7336,
81.4036

315.4909,
327.7947, 519.4815

■ 23.7250, 24.2285,
60.3411

■ 66.6121, 68.6207,
137.1665

■ 15.2534, 15.5032,
43.2665

■ 87.9498, 90.7715,
172.7040

■ 9.0849, 9.1733,
29.7614

■ 113.4173,
117.2396, 213.9036

■ 4.8541, 4.8544,
19.4070

143.3801,
148.4096, 261.1837

■ 2.1958, 2.1621,
11.7850

178.2035,
184.6656, 314.9631

■ 0.7405, 0.6992,
6.4767

218.2529,

■ 0.0000, 0.0000,

226.3922, 375.6602

3.0636

263.8936,
273.9738, 443.6935

■ 0.0000, 0.0000,
1.1272

■ 0.0000, 0.0000,
0.0000

■ 34.8651, 35.7336,
81.4036

■ 34.8651, 35.7336,
81.4036

■ 29.8396, 29.7022,
80.5050

■ 40.9306, 42.6993,
82.4291

■ 25.7832, 24.5541,
79.7251

■ 48.0927, 50.6388,
83.5841

■ 22.6214, 20.2381,
79.0587

■ 56.4083, 59.5936,
84.8743

■ 20.2654, 16.6942,
78.4988

■ 65.9292, 69.6015,
86.3042

■ 18.5685, 13.8320,
78.0358

■ 76.7037, 80.6982,
87.8782

■ 18.5682, 13.8315,
78.0357

■ 88.7017, 92.8784,
89.5969

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



29.2851, 35.7336, 76.4631



34.8651, 35.7336, 81.4036



40.8411, 35.7336, 72.5180

Triad

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



34.8651, 35.7336, 81.4036



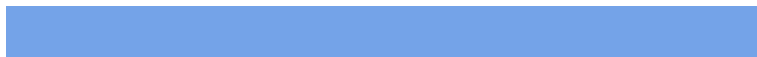
44.2584, 35.7336, 23.1859



24.6745, 35.7336, 26.4684

Complementary

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



34.8651, 35.7336, 81.4036



53.7813, 53.1163, 23.9424

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.



27.9053, 35.7336, 17.7174



34.8651, 35.7336, 81.4036



39.1159, 35.7336, 16.2455

Square

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



34.8651, 35.7336, 81.4036



46.6507, 35.7336, 36.4045



33.0780, 35.7336, 14.5831



23.8146, 35.7336, 41.5233

Rectangle

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



34.8651, 35.7336, 81.4036



44.1204, 35.7336, 61.1309



33.0780, 35.7336, 14.5831



25.4992, 35.7336, 22.8522

Sweetspot

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



34.8664, 35.7349, 81.4045



75.5174, 79.7862, 106.0278



44.6771, 64.8739, 55.3330



15.6367, 16.5219, 22.6149



0.0000, 0.0000, 0.0000



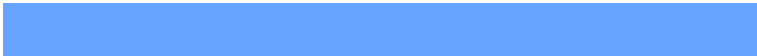
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8664, 35.7349, 81.4045



36.8032, 36.5923, 99.7310



29.3674, 22.7288, 79.1839



14.0598, 14.8411, 18.2679



10.4244, 7.9110, 43.3607



0.8596, 0.7631, 3.2339

Inverse Universe

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



46.1361, 32.2923, 38.4529



52.6913, 33.4427, 38.7954



62.2363, 74.5573, 27.6353



14.6178, 14.4643, 16.1877



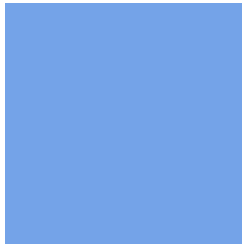
19.6553, 9.9963, 7.0797



1.4975, 0.7567, 0.7603

Previews

White Background



This preview shows how the XYZ color 34.8651, 35.7336, 81.4036 looks on a white background.

Color Contrast Check

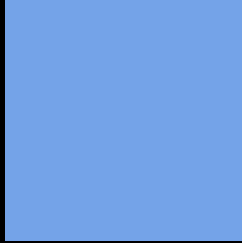
Large Text (above 18pt) WCAG AA × Fail

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 34.8651, 35.7336, 81.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

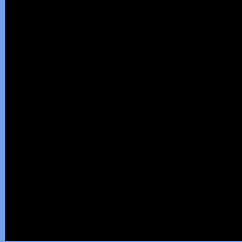
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

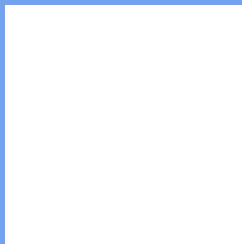
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8651, 35.7336, 81.4036

Background



This preview shows how black text looks on a background with the XYZ color 34.8651, 35.7336, 81.4036.



This preview shows how white text looks on a background with the XYZ color 34.8651, 35.7336,

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

34.8651, 35.7336, 81.4036

Protanopia

36.8779, 35.5441, 78.3158

Deuteranopia

36.6218, 35.5850, 82.0292



Tritanopia

28.9823, 35.8169, 51.8402

Trichromacy



Original Color

34.8651, 35.7336, 81.4036

Protanomaly

36.0737, 35.6240, 79.1036

Deuteranomaly

35.8830, 35.4604, 82.0441

Tritanomaly

30.9113, 35.7519, 61.7715

Monochromacy



Original Color

34.8651, 35.7336, 81.4036

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2052, 34.0077, 50.2142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8651, 35.7336, 81.4036 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(116, 163, 232)` looks like.

```
.text, #text, p{  
    color:rgb(116, 163, 232)  
}
```

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(116, 163, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 163, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.8651, 35.7336, 81.4036 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(116, 163, 232) }
```


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

```
.border{ border-color:rgb(116, 163, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 163, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 163, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 163, 232); box-shadow:4px 4px 4px 4px rgb(116, 163, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8651, 35.7336, 81.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 163, 232) }
```

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

```
.background{ background-color: rgb(116,  
163, 232) }
```

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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