

Converting Colors

XYZ(36.8701, 34.6751, 83.3470)

Have a look what the booklet for
XYZ(36.8701, 34.6751, 83.3470)
contains.

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Color

**XYZ(36.8701, 34.6751,
83.3470)**

Conversions

Conversions Part 1

Format	Color
Hex	889BEB
RGB	136, 155, 235
RGB Percent	53%, 61%, 92%
CMY	0.4666, 0.3921, 0.0784
CMYK	0.42, 0.34, 0.00, 0.08
HSL	228°, 71%, 73%
HSV	228°, 42%, 92%
XYZ	36.8701, 34.6751, 83.3470
YIQ	158.4390, -37.0040, 20.8520

Conversions

Conversions Part 2

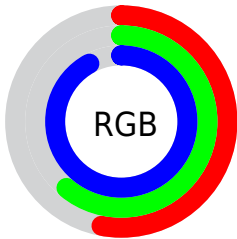
Format	Color
RYB	136, 152, 235
Decimal	8952811
CIELab	65.49, 13.38, -42.44
CIELCh	65, 44.505, 287.501
Yxy	34.6751, 0.2380, 0.2239
Android (android.graphics.Color)	4287142891 (0xFF889BEB)
YUV	158.4390, 37.7446, -19.6790
Hunter-Lab	58.8856, 8.7147, -42.6995

Details

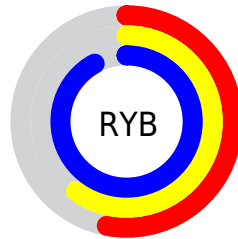
The XYZ color **36.8701, 34.6751, 83.3470** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.2621, 68.5532, 33.1920**, and the grayscale version is **32.5457, 34.2406, 37.2880**.

A 20% lighter version of the original color is **62.8428, 64.1584, 103.6794**, and **16.3953, 14.8608, 44.6521** is the 20% darker color. If you saturate the color by 10%, you get **30.5479, 27.0879, 82.2164**, and if you desaturate by 10%, it is **44.5285, 43.6902, 84.6841**.

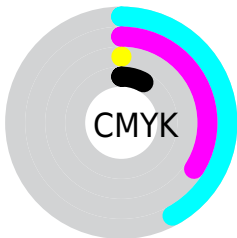
Distribution



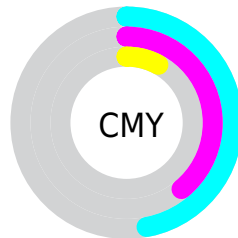
- Red (53%)
- Green (61%)
- Blue (92%)



- Red (53%)
- Yellow (60%)
- Blue (92%)



- Cyan (42%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (39%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8701, 34.6751, 83.3470 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 36.8701, 34.6751, 83.3470 by changing the saturation by 10% instead.

■ 36.8701, 34.6751,
83.3470

■ 36.8701, 34.6751,
83.3470

324.1131,
323.1319, 526.1435

■ 25.2801, 23.4127,
61.9342

■ 69.6881, 66.9821,
139.9149

■ 16.4157, 14.8985,
44.5441

■ 91.6468, 88.7956,
175.9071

■ 9.9115, 8.7482,
30.7581

■ 117.7925,
114.8948, 217.5962

■ 5.4022, 4.5773,
20.1578

148.4906,
145.6643, 265.4007

■ 2.5223, 2.0015,
12.3246

184.1063,
181.4883, 319.7391

■ 0.9065, 0.6083,
6.8399

225.0050,

■ 0.0000, 0.0000,

222.7513, 381.0300

3.2853

271.5522,
269.8377, 449.6920

■ 0.0000, 0.0000,
1.2421

■ 0.0000, 0.0000,
0.0136

■ 36.8701, 34.6751,
83.3470

■ 36.8701, 34.6751,
83.3470

■ 30.5479, 27.0879,
82.2164

■ 44.5285, 43.6902,
84.6841

■ 25.4796, 20.8500,
81.2795

■ 53.5913, 54.1985,
86.2348

■ 21.5797, 15.8806,
80.5259

■ 64.1263, 66.2660,
88.0088

■ 18.7495, 12.0885,
79.9431

■ 76.1959, 79.9534,
90.0146

■ 16.8731, 9.3688,
79.5170

■ 89.8589, 95.3183,
92.2602

■ 15.9377, 7.8825,
79.2794

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



30.3202, 34.6751, 84.7285



36.8701, 34.6751, 83.3470



43.0831, 34.6751, 67.5484

Triad

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



36.8701, 34.6751, 83.3470



42.1655, 34.6751, 17.0006



22.1781, 34.6751, 30.5110

Complementary

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



36.8701, 34.6751, 83.3470



63.2621, 68.5532, 33.1920

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.



24.5576, 34.6751, 18.3347



36.8701, 34.6751, 83.3470



35.7437, 34.6751, 12.4443

Square

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



36.8701, 34.6751, 83.3470



46.4063, 34.6751, 27.9616



29.3322, 34.6751, 12.8350



22.3961, 34.6751, 49.6043

Rectangle

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



36.8701, 34.6751, 83.3470



45.9386, 34.6751, 53.2150



29.3322, 34.6751, 12.8350



22.6861, 34.6751, 25.6235

Sweetspot

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



36.8714, 34.6764, 83.3478



75.9300, 78.3293, 105.7249



52.1543, 69.5685, 75.1051



15.6249, 16.0495, 22.5243



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.



36.8714, 34.6764, 83.3478



37.3918, 33.3594, 99.0760



39.4641, 31.6827, 82.6334



14.4651, 15.0167, 19.0584



8.9392, 4.5254, 44.1453



0.7669, 0.4852, 3.4881

Inverse Universe

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



48.9826, 37.6385, 35.6948



54.0649, 38.1136, 33.3223



59.4131, 74.2170, 34.4881



15.1836, 15.1013, 16.2521



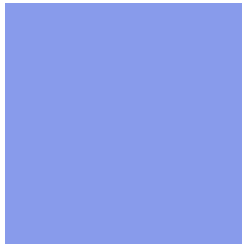
19.3674, 9.9496, 2.4700



1.5536, 0.7944, 0.3666

Previews

White Background



This preview shows how the XYZ color 36.8701, 34.6751, 83.3470 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 36.8701, 34.6751, 83.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

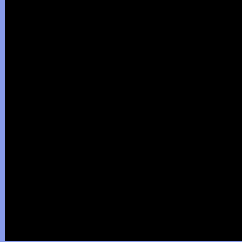
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8701, 34.6751, 83.3470

Background



This preview shows how black text looks on a background with the XYZ color 36.8701, 34.6751, 83.3470.



This preview shows how white text looks on a background with the XYZ color 36.8701, 34.6751,

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

36.8701, 34.6751, 83.3470

Protanopia

36.5445, 34.7386, 84.1360

Deuteranopia

35.6823, 34.8299, 82.6841



Tritanopia

29.6581, 34.5921, 47.7616

Trichromacy



Original Color

36.8701, 34.6751, 83.3470

Protanomaly

36.7017, 34.8196, 84.1434

Deuteranomaly

36.1142, 34.8003, 82.6556

Tritanomaly

31.8333, 34.3998, 58.9949

Monochromacy



Original Color

36.8701, 34.6751, 83.3470

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.4976, 34.1431, 51.2791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8701, 34.6751, 83.3470 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(136, 155, 235)` looks like.

```
.text, #text, p{  
    color:rgb(136, 155, 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(136, 155, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 155, 235) }
```

Border

The CSS property to change the border of an element to XYZ 36.8701, 34.6751, 83.3470 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(136, 155, 235) }
```


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

```
.border{ border-color:rgb(136, 155, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 155, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 155, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 155, 235);  
box-shadow:4px 4px 4px 4px rgb(136, 155,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8701, 34.6751, 83.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 155, 235) }
```

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

```
.background{ background-color: rgb(136,  
155, 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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