

Converting Colors

XYZ(37.3181, 34.6085, 96.8087)

Have a look what the booklet for
XYZ(37.3181, 34.6085, 96.8087)
contains.

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Color

**XYZ(37.3181, 34.6085,
96.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9BFC
RGB	122, 155, 252
RGB Percent	48%, 61%, 99%
CMY	0.5215, 0.3921, 0.0118
CMYK	0.52, 0.38, 0.00, 0.01
HSL	225°, 96%, 73%
HSV	225°, 52%, 99%
XYZ	37.3181, 34.6085, 96.8087
YIQ	156.1910, -50.8050, 23.1710

Conversions

Conversions Part 2

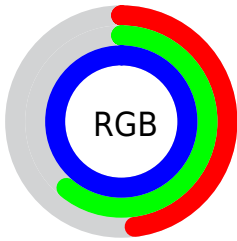
Format	Color
R_{YB}	122, 148, 252
Decimal	8035324
CIE _{Lab}	65.44, 15.08, -51.90
CIE _{LCh}	65, 54.044, 286.202
Yxy	34.6085, 0.2212, 0.2051
Android (android.graphics.Color)	4286225404 (0xFF7A9BFC)
YUV	156.1910, 47.2338, -29.9855
Hunter-Lab	58.8290, 10.2805, -56.3870

Details

The XYZ color **37.3181, 34.6085, 96.8087** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.9914, 72.7668, 28.8236**, and the grayscale version is **31.4984, 33.1388, 36.0882**.

A 20% lighter version of the original color is **59.9065, 62.6447, 103.5420**, and **16.6641, 14.8014, 53.6084** is the 20% darker color. If you saturate the color by 10%, you get **31.3121, 27.2233, 95.7005**, and if you desaturate by 10%, it is **44.7391, 43.4475, 98.1244**.

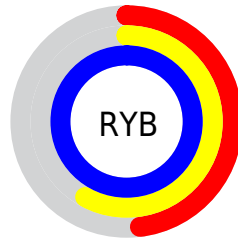
Distribution



Red (48%)

Green (61%)

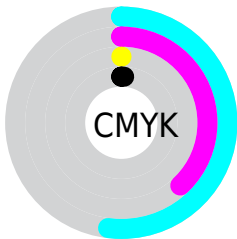
Blue (99%)



Red (48%)

Yellow (58%)

Blue (99%)

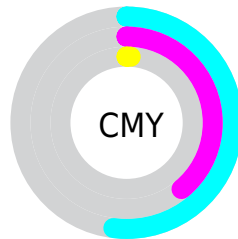


Cyan (52%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (52%)

Magenta (39%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3181, 34.6085, 96.8087 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 37.3181, 34.6085, 96.8087 by changing the saturation by 10% instead.

■ 37.3181, 34.6085,
96.8087

■ 37.3181, 34.6085,
96.8087

326.0173,
322.8369, 571.0709

■ 25.6287, 23.3615,
73.0361

■ 70.3724, 66.8788,
158.7780

■ 16.6773, 14.8606,
53.5135

■ 92.4680, 88.6709,
197.8119

■ 10.0985, 8.7216,
37.8223

■ 118.7631,
114.7468, 242.7698

■ 5.5271, 4.5601,
25.5440

149.6229,
145.4908, 294.0705

■ 2.5976, 1.9915,
16.2601

185.4129,
181.2875, 352.1324

■ 0.9447, 0.6025,
9.5521

226.4984,

■ 0.0000, 0.0000,

222.5211, 417.3740

5.0013

273.2448,
269.5761, 490.2140

■ 0.0000, 0.0000,
2.1893

■ 0.0000, 0.0000,
0.6682

■ 37.3181, 34.6085,
96.8087

■ 37.3181, 34.6085,
96.8087

■ 31.3121, 27.2233,
95.7005

■ 44.7391, 43.4475,
98.1244

■ 26.6214, 21.2056,
94.7862

■ 53.6572, 53.8125,
99.6550

■ 23.1391, 16.4649,
94.0547

■ 64.1531, 65.7748,
101.4108

■ 20.7375, 12.8962,
93.4924

■ 76.3000, 79.4001,
103.4005

■ 19.4021, 10.6910,
93.1371

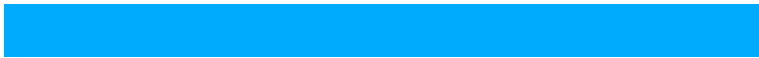
■ 90.1668, 94.7502,
105.6325

■ 94.5708, 99.8083,
106.3767

Harmonies

Analogous

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



29.4024, 34.6085, 97.6977



37.3181, 34.6085, 96.8087



45.1235, 34.6085, 76.5304

Triad

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



37.3181, 34.6085, 96.8087



44.5693, 34.6085, 14.1945



20.2363, 34.6085, 28.2292

Complementary

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



37.3181, 34.6085, 96.8087



68.9914, 72.7668, 28.8236

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.



23.1021, 34.6085, 14.8785



37.3181, 34.6085, 96.8087



36.6523, 34.6085, 9.2543

Square

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



37.3181, 34.6085, 96.8087



49.7463, 34.6085, 26.7995



28.8348, 34.6085, 9.4409



20.3559, 34.6085, 51.1735

Rectangle

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



37.3181, 34.6085, 96.8087



48.8449, 34.6085, 58.1071



28.8348, 34.6085, 9.4409



20.8599, 34.6085, 22.7116

Sweetspot

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



37.3194, 34.6097, 96.8096



73.9123, 76.5759, 105.4928



55.4057, 78.7866, 78.1620



15.2529, 15.7545, 22.4869



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.



37.3194, 34.6097, 96.8096



31.9189, 27.6555, 98.2635



37.5435, 27.6571, 95.4558



16.6410, 17.3589, 21.8588



10.2055, 5.7665, 48.5487



1.0262, 0.6960, 4.5234

Inverse Universe

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



53.0221, 36.9829, 35.3550



50.0229, 31.5979, 27.1404



68.3468, 86.5040, 31.5092



17.4253, 17.2975, 18.8297



21.4433, 10.9930, 3.7768



2.0269, 1.0345, 0.5650

Previews

White Background



This preview shows how the XYZ color 37.3181, 34.6085, 96.8087 looks on a white background.

Color Contrast Check

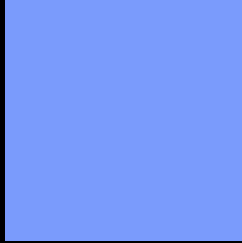
Large Text (above 18pt) WCAG AA × Fail

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 37.3181, 34.6085, 96.8087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

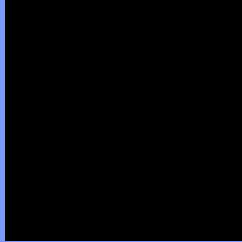
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

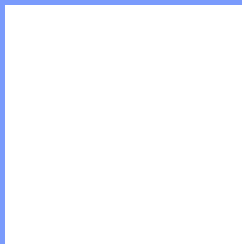
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3181, 34.6085, 96.8087

Background



This preview shows how black text looks on a background with the XYZ color 37.3181, 34.6085, 96.8087.



This preview shows how white text looks on a background with the XYZ color 37.3181, 34.6085,

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

37.3181, 34.6085, 96.8087

Protanopia

37.1772, 34.5359, 96.8021

Deuteranopia

35.7546, 34.8255, 96.1043



Tritanopia

27.8808, 34.4475, 49.9793

Trichromacy



Original Color

37.3181, 34.6085, 96.8087

Protanomaly

37.1772, 34.5359, 96.8021

Deuteranomaly

36.3215, 34.8635, 96.0818

Tritanomaly

30.7240, 34.2308, 64.6624

Monochromacy



Original Color

37.3181, 34.6085, 96.8087

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.7940, 33.4678, 54.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3181, 34.6085, 96.8087 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(122, 155, 252)` looks like.

```
.text, #text, p{  
    color:rgb(122, 155, 252)  
}
```

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(122, 155, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 155, 252) }
```

Border

The CSS property to change the border of an element to XYZ 37.3181, 34.6085, 96.8087 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(122, 155, 252) }
```


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

```
.border{ border-color:rgb(122, 155, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 155, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 155, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 155, 252);  
box-shadow:4px 4px 4px 4px rgb(122, 155,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3181, 34.6085, 96.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 155, 252) }
```

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

```
.background{ background-color: rgb(122,  
155, 252) }
```

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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