

Converting Colors

XYZ(36.9333, 41.1018, 86.1784)

Have a look what the booklet for
XYZ(36.9333, 41.1018, 86.1784)
contains.

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Color

**XYZ(36.9997, 41.2382,
86.1304)**

Conversions

Conversions Part 1

Format	Color
Hex	67B3ED
RGB	103, 179, 237
RGB Percent	40%, 70%, 93%
CMY	0.5961, 0.2980, 0.0706
CMYK	0.57, 0.24, 0.00, 0.07
HSL	206°, 79%, 67%
HSV	206°, 57%, 93%
XYZ	36.9997, 41.2382, 86.1304
YIQ	162.8880, -63.9140, 1.9260

Conversions

Conversions Part 2

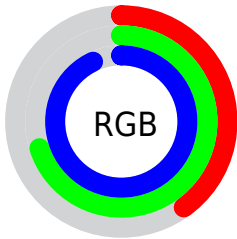
Format	Color
RYB	103, 151, 237
Decimal	6796269
CIELab	70.34, -7.08, -36.10
CIELCh	70, 36.790, 258.898
Yxy	41.2382, 0.2251, 0.2509
Android (android.graphics.Color)	4284986349 (0xFF67B3ED)
YUV	162.8880, 36.5372, -52.5218
Hunter-Lab	64.2170, -9.5339, -34.5703

Details

The XYZ color **36.9997, 41.2382, 86.1304** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.1197, 44.4757, 18.7768**, and the grayscale version is **34.6161, 36.4189, 39.6602**.

A 20% lighter version of the original color is **62.6586, 74.3180, 105.6501**, and **16.4285, 18.5812, 46.4367** is the 20% darker color. If you saturate the color by 10%, you get **32.6766, 36.0708, 85.3616**, and if you desaturate by 10%, it is **42.2488, 47.1116, 86.9882**.

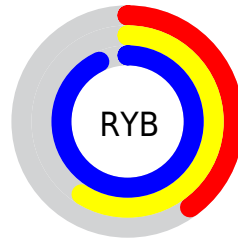
Distribution



Red (40%)

Green (70%)

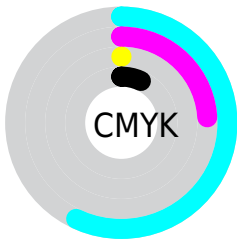
Blue (93%)



Red (40%)

Yellow (59%)

Blue (93%)

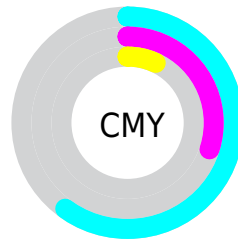


Cyan (57%)

Magenta (24%)

Yellow (0%)

Black (7%)



Cyan (60%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9997, 41.2382, 86.1304 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 36.9997, 41.2382, 86.1304 by changing the saturation by 10% instead.

■ 36.9997, 41.2382,
86.1304

■ 36.9997, 41.2382,
86.1304

324.6648,
351.3152, 535.6029

■ 25.3809, 28.5053,
64.2203

■ 69.8862, 77.0454,
143.8396

■ 16.4913, 18.7069,
46.3818

■ 91.8846, 100.8884,
180.4758

■ 9.9655, 11.4587,
32.1964

■ 118.0735,
129.2035, 222.8577

■ 5.4382, 6.3762,
21.2455

148.8185,
162.3752, 271.4040

■ 2.5440, 3.0752,
13.1106

184.4847,
200.7878, 326.5331

■ 0.9175, 1.1711,
7.3731

225.4376,

■ 0.0000, 0.0379,

244.8257, 388.6636

3.6146

272.0425,
294.8734, 458.2140

■ 0.0000, 0.0000,
1.4164

■ 0.0000, 0.0000,
0.1544

■ 36.9997, 41.2382,
86.1304

■ 36.9997, 41.2382,
86.1304

■ 32.6766, 36.0708,
85.3616

■ 42.2488, 47.1116,
86.9882

■ 29.2051, 31.5637,
84.6747

■ 48.4821, 53.7235,
87.9359

■ 26.5046, 27.6713,
84.0657

■ 55.7574, 61.1090,
88.9780

■ 24.4729, 24.3355,
83.5289

■ 64.1269, 69.2995,
90.1178

■ 23.8690, 23.2801,
83.3570

■ 73.6386, 78.3242,
91.3584

■ 84.3380, 88.2106,
92.7028

■ 90.9645, 96.2512,
93.9055

■ 92.2862, 98.8945,
94.3461

Harmonies

Analogous

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



32.0399, 41.2382, 74.9478



36.9997, 41.2382, 86.1304



43.0822, 41.2382, 84.3347

Triad

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



36.9997, 41.2382, 86.1304



51.2535, 41.2382, 34.9595



31.0730, 41.2382, 26.3795

Complementary

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



36.9997, 41.2382, 86.1304



50.1197, 44.4757, 18.7768

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.



35.5502, 41.2382, 20.1961



36.9997, 41.2382, 86.1304



47.3446, 41.2382, 24.1978

Square

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



36.9997, 41.2382, 86.1304



51.7442, 41.2382, 51.6216



41.4769, 41.2382, 19.5162



28.8601, 41.2382, 38.7913

Rectangle

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



36.9997, 41.2382, 86.1304



46.9571, 41.2382, 76.1123



41.4769, 41.2382, 19.5162



32.3404, 41.2382, 23.6566

Sweetspot

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



37.0011, 41.2397, 86.1314



75.1641, 81.2921, 106.3371



42.1227, 65.9505, 43.2367



15.6418, 16.9678, 22.7007



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.



37.0011, 41.2397, 86.1314



37.8051, 41.6163, 100.6479



26.9174, 21.0722, 82.7702



14.9402, 15.9669, 19.2167



13.1645, 12.9760, 45.5537



1.1291, 1.2096, 3.6088

Inverse Universe

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



47.9133, 30.9613, 46.1000



52.4598, 30.5275, 46.2781



64.5254, 73.2870, 23.5787



15.4234, 15.1972, 17.5148



21.5001, 10.8027, 13.7009



1.7364, 0.8675, 1.3292

Previews

White Background



This preview shows how the XYZ color 36.9997, 41.2382, 86.1304 looks on a white background.

Color Contrast Check

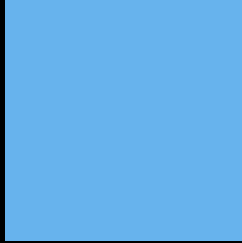
Large Text (above 18pt) WCAG AA × Fail

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 36.9997, 41.2382, 86.1304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

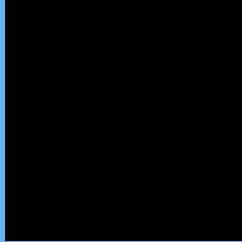
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9997, 41.2382, 86.1304

Background



This preview shows how black text looks on a background with the XYZ color 36.9997, 41.2382, 86.1304.



This preview shows how white text looks on a background with the XYZ color 36.9997, 41.2382,

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

36.9997, 41.2382, 86.1304

Protanopia

41.6573, 40.9031, 79.8283

Deuteranopia

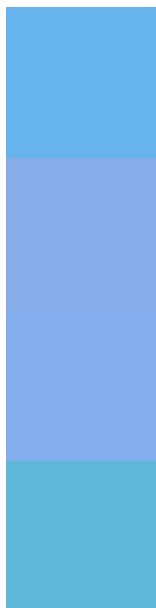
41.9807, 40.9038, 87.3440



Tritanopia

32.2213, 41.4587, 61.5624

Trichromacy



Original Color

36.9997, 41.2382, 86.1304

Protanomaly

39.5007, 40.8642, 82.1496

Deuteranomaly

39.8919, 40.9657, 86.6936

Tritanomaly

33.6872, 41.1017, 69.7762

Monochromacy



Original Color

36.9997, 41.2382, 86.1304

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4667, 37.7564, 54.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9997, 41.2382, 86.1304 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(103, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(103, 179, 237)  
}
```

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(103, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 179, 237) }
```

Border

The CSS property to change the border of an element to XYZ 36.9997, 41.2382, 86.1304 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(103, 179, 237) }
```


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

```
.border{ border-color:rgb(103, 179, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 179, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(103, 179,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9997, 41.2382, 86.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 179, 237) }
```

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

```
.background{ background-color: rgb(103,  
179, 237) }
```

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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