

Converting Colors

XYZ(37.4207, 39.5440, 87.2764)

Have a look what the booklet for
XYZ(37.4207, 39.5440, 87.2764)
contains.

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Color

**XYZ(37.4630, 39.6965,
87.3490)**

Conversions

Conversions Part 1

Format	Color
Hex	72ADEF
RGB	114, 173, 239
RGB Percent	45%, 68%, 94%
CMY	0.5529, 0.3216, 0.0627
CMYK	0.52, 0.28, 0.00, 0.06
HSL	212°, 80%, 69%
HSV	212°, 52%, 94%
XYZ	37.4630, 39.6965, 87.3490
YIQ	162.8830, -56.3500, 8.0180

Conversions

Conversions Part 2

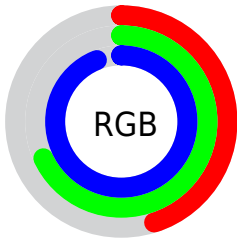
Format	Color
RYB	114, 154, 239
Decimal	7515631
CIELab	69.25, -0.87, -38.85
CIElCh	69, 38.858, 268.717
Yxy	39.6965, 0.2277, 0.2413
Android (android.graphics.Color)	4285705711 (0xFF72ADEF)
YUV	162.8830, 37.5257, -42.8704
Hunter-Lab	63.0052, -4.1226, -38.0948

Details

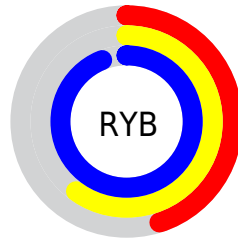
The XYZ color **37.4630, 39.6965, 87.3490** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.9568, 52.2104, 23.1026**, and the grayscale version is **34.6066, 36.4088, 39.6492**.

A 20% lighter version of the original color is **62.8067, 71.4775, 105.0940**, and **16.8008, 17.8237, 47.3546** is the 20% darker color. If you saturate the color by 10%, you get **32.4442, 33.6856, 86.4541**, and if you desaturate by 10%, it is **43.5252, 46.5860, 88.3601**.

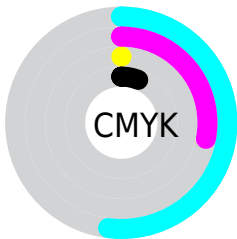
Distribution



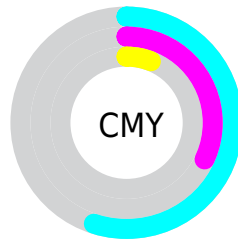
- Red (45%)
- Green (68%)
- Blue (94%)



- Red (45%)
- Yellow (60%)
- Blue (94%)



- Cyan (52%)
- Magenta (28%)
- Yellow (0%)
- Black (6%)



- Cyan (55%)
- Magenta (32%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4630, 39.6965, 87.3490 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 37.4630, 39.6965, 87.3490 by changing the saturation by 10% instead.

■ 37.4630, 39.6965,
87.3490

■ 37.4630, 39.6965,
87.3490

326.6316,
344.8427, 539.7150

■ 25.7415, 27.3020,
65.2228

■ 70.5935, 74.7011,
145.5536

■ 16.7620, 17.8002,
47.1893

■ 92.7333, 98.0800,
182.4692

■ 10.1592, 10.8066,
32.8299

■ 119.0764,
125.8892, 225.1515

■ 5.5677, 5.9369,
21.7261

149.9884,
158.5130, 274.0193

■ 2.6222, 2.8068,
13.4594

185.8346,
196.3359, 329.4909

■ 0.9573, 1.0317,
7.6112

226.9802,

■ 0.0000, 0.0000,

239.7422, 391.9851

3.7630

273.7908,
289.1163, 461.9202

■ 0.0000, 0.0000,
1.4963

■ 0.0000, 0.0000,
0.2151

■ 37.4630, 39.6965,
87.3490

■ 37.4630, 39.6965,
87.3490

■ 32.4442, 33.6856,
86.4541

■ 43.5252, 46.5860,
88.3601

■ 28.3936, 28.5031,
85.6672

■ 50.6904, 54.3918,
89.4891

■ 25.2316, 24.0989,
84.9838

■ 59.0183, 63.1539,
90.7414

■ 22.8613, 20.4128,
84.3972

■ 68.5628, 72.9085,
92.1212

■ 21.4636, 17.9990,
84.0050

■ 79.3743, 83.6896,
93.6323

■ 90.6092, 95.0701,
95.2368

■ 92.5801, 99.0121,
95.8938

Harmonies

Analogous

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



31.8501, 39.6965, 79.6354



37.4630, 39.6965, 87.3490



43.7786, 39.6965, 80.7944

Triad

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



37.4630, 39.6965, 87.3490



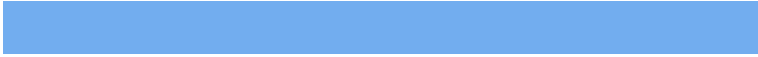
49.2311, 39.6965, 28.7556



28.3977, 39.6965, 27.7544

Complementary

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



37.4630, 39.6965, 87.3490



54.9568, 52.2104, 23.1026

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.



32.2665, 39.6965, 19.5910



37.4630, 39.6965, 87.3490



44.2931, 39.6965, 20.0474

Square

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



37.4630, 39.6965, 87.3490



51.0063, 39.6965, 43.9947



37.9989, 39.6965, 17.2117



26.9845, 39.6965, 42.4598

Rectangle

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



37.4630, 39.6965, 87.3490



47.4585, 39.6965, 70.0136



37.9989, 39.6965, 17.2117



29.4316, 39.6965, 24.3215

Sweetspot

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



37.4644, 39.6979, 87.3500



75.1085, 80.0833, 106.1067



45.9020, 68.5494, 53.2411



15.5862, 16.6404, 22.6404



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.



37.4644, 39.6979, 87.3500



37.1096, 38.4333, 100.0702



28.8125, 21.9872, 84.3875



15.5125, 16.4591, 20.0809



11.9903, 10.2049, 46.4657



1.0963, 1.0467, 3.8985

Inverse Universe

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



49.1580, 33.4042, 43.3931



52.5462, 32.2367, 41.5699



68.8020, 80.9390, 27.9180



16.0834, 15.8831, 17.9953



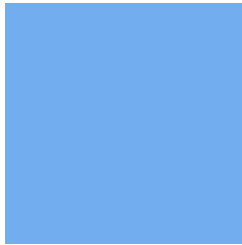
21.3778, 10.8235, 9.9060



1.8283, 0.9204, 1.0868

Previews

White Background



This preview shows how the XYZ color 37.4630, 39.6965, 87.3490 looks on a white background.

Color Contrast Check

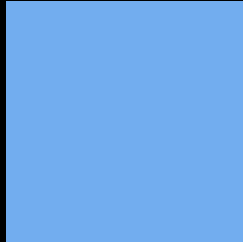
Large Text (above 18pt) WCAG AA × Fail

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 37.4630, 39.6965, 87.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

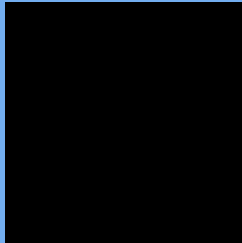
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

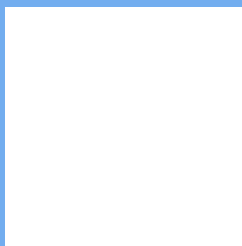
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4630, 39.6965, 87.3490

Background



This preview shows how black text looks on a background with the XYZ color 37.4630, 39.6965, 87.3490.



This preview shows how white text looks on a background with the XYZ color 37.4630, 39.6965,

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

37.4630, 39.6965, 87.3490

Protanopia

40.5569, 39.4515, 82.5681

Deuteranopia

40.5314, 39.5914, 87.9437



Tritanopia

31.6333, 39.6859, 58.2175

Trichromacy



Original Color

37.4630, 39.6965, 87.3490

Protanomaly

39.3367, 39.6083, 84.1692

Deuteranomaly

39.2762, 39.4925, 87.9908

Tritanomaly

33.5130, 39.5373, 68.1525

Monochromacy



Original Color

37.4630, 39.6965, 87.3490

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8997, 37.4188, 54.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4630, 39.6965, 87.3490 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(114, 173, 239)` looks like.

```
.text, #text, p{  
    color:rgb(114, 173, 239)  
}
```

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(114, 173, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 173, 239) }
```

Border

The CSS property to change the border of an element to XYZ 37.4630, 39.6965, 87.3490 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(114, 173, 239) }
```


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

```
.border{ border-color:rgb(114, 173, 239) }
```

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

Here you see how a box with a 4 pixel rgb(114, 173, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 173, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 173, 239);  
box-shadow:4px 4px 4px 4px rgb(114, 173,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4630, 39.6965, 87.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 173, 239) }
```

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

```
.background{ background-color: rgb(114,  
173, 239) }
```

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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