

Converting Colors

XYZ(33.9106, 37.0290, 74.3624)

Have a look what the booklet for
XYZ(33.9106, 37.0290, 74.3624)
contains.

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Color

**XYZ(33.9283, 37.0294,
74.4664)**

Conversions

Conversions Part 1

Format	Color
Hex	6FA9DE
RGB	111, 169, 222
RGB Percent	44%, 66%, 87%
CMY	0.5647, 0.3372, 0.1294
CMYK	0.50, 0.24, 0.00, 0.13
HSL	209°, 63%, 65%
HSV	209°, 50%, 87%
XYZ	33.9283, 37.0294, 74.4664
YIQ	157.7000, -51.5810, 4.1870

Conversions

Conversions Part 2

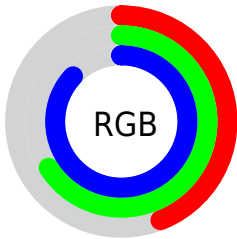
Format	Color
RYB	111, 149, 222
Decimal	7317982
CIELab	67.30, -4.36, -32.59
CIElCh	67, 32.881, 262.378
Yxy	37.0294, 0.2333, 0.2546
Android (android.graphics.Color)	4285508062 (0xFF6FA9DE)
YUV	157.7000, 31.6999, -40.9559
Hunter-Lab	60.8518, -6.9668, -29.9589

Details

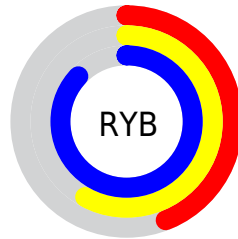
The XYZ color **33.9283, 37.0294, 74.4664** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.2700, 43.2295, 20.9457**, and the grayscale version is **32.2425, 33.9217, 36.9407**.

A 20% lighter version of the original color is **60.8541, 68.8561, 104.6910**, and **14.7525, 16.2427, 38.9168** is the 20% darker color. If you saturate the color by 10%, you get **29.5817, 31.9795, 73.7215**, and if you desaturate by 10%, it is **39.1314, 42.7596, 75.2989**.

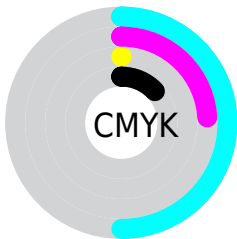
Distribution



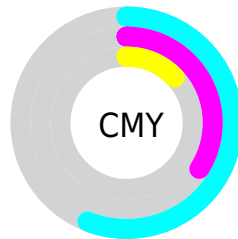
- Red (44%)
- Green (66%)
- Blue (87%)



- Red (44%)
- Yellow (58%)
- Blue (87%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9283, 37.0294, 74.4664 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 33.9283, 37.0294, 74.4664 by changing the saturation by 10% instead.

■ 33.9283, 37.0294,
74.4664

■ 33.9283, 37.0294,
74.4664

311.4038,
333.4378, 495.2879

■ 23.0012, 25.2303,
54.6768

■ 65.1672, 70.6180,
127.2969

■ 14.7151, 16.2487,
38.7461

■ 86.2096, 93.1762,
161.1748

■ 8.7047, 9.7003,
26.2560

■ 111.3546,
120.0896, 200.5859

■ 4.6046, 5.2007,
16.7878

140.9673,
151.7426, 245.9487

■ 2.0495, 2.3655,
9.9229

175.4133,
188.5195, 297.6818

■ 0.6616, 0.8081,
5.2429

215.0577,

■ 0.0000, 0.0000,

230.8047, 356.2036

2.3293

260.2661,
278.9827, 421.9328

■ 0.0000, 0.0000,
0.7476

■ 0.0000, 0.0000,
0.0000

■ 33.9283, 37.0294,
74.4664

■ 33.9283, 37.0294,
74.4664

■ 29.5817, 31.9795,
73.7215

■ 39.1314, 42.7596,
75.2989

■ 26.0316, 27.5713,
73.0577

■ 45.2378, 49.1975,
76.2197

■ 23.2156, 23.7675,
72.4719

■ 52.2952, 56.3737,
77.2329

■ 21.0585, 20.5232,
71.9594

■ 60.3468, 64.3155,
78.3414

■ 19.4307, 17.7654,
71.5129

■ 69.4328, 73.0485,
79.5482

■ 19.4304, 17.7649,
71.5128

■ 79.5911, 82.5971,
80.8559

■ 86.5363, 90.7568,
82.0648

■ 89.8043, 97.2927,
83.1541

■ 90.1849, 98.0540,
83.2810

Harmonies

Analogous

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



29.6164, 37.0294, 66.4707



33.9283, 37.0294, 74.4664



39.0065, 37.0294, 71.7296

Triad

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



33.9283, 37.0294, 74.4664



44.9152, 37.0294, 30.6680



28.0787, 37.0294, 25.6663

Complementary

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



33.9283, 37.0294, 74.4664



46.2700, 43.2295, 20.9457

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.



31.6409, 37.0294, 19.7502



33.9283, 37.0294, 74.4664



41.4342, 37.0294, 22.1217

Square

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



33.9283, 37.0294, 74.4664



45.6756, 37.0294, 44.1045



36.4935, 37.0294, 18.6283



26.4549, 37.0294, 36.7560

Rectangle

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



33.9283, 37.0294, 74.4664



42.1233, 37.0294, 64.4306



36.4935, 37.0294, 18.6283



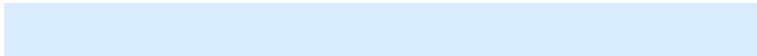
29.0720, 37.0294, 23.1265

Sweetspot

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



33.9296, 37.0308, 74.4673



76.7990, 82.3493, 106.4550



39.2709, 58.2602, 43.7334



15.9445, 17.1375, 22.7175



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.



33.9296, 37.0308, 74.4673



40.2464, 43.4786, 100.8787



25.8382, 20.8480, 71.7702



13.5417, 14.4225, 17.4578



11.6533, 10.7762, 42.5142



0.8973, 0.9260, 2.9767

Inverse Universe

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



42.9711, 29.7643, 41.0178



54.4293, 34.1379, 47.9473



58.1436, 66.9767, 24.9036



14.0049, 13.8196, 15.7959



19.8222, 9.9959, 10.9956



1.4192, 0.7109, 1.0001

Previews

White Background



This preview shows how the XYZ color 33.9283, 37.0294, 74.4664 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 33.9283, 37.0294, 74.4664 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 33.9283, 37.0294, 74.4664

Background



This preview shows how black text looks on a background with the XYZ color 33.9283, 37.0294, 74.4664.

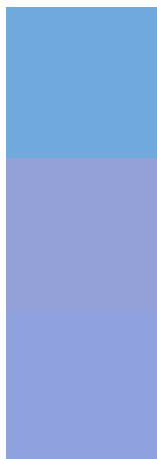


This preview shows how white text looks on a background with the XYZ color 33.9283, 37.0294,

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

33.9283, 37.0294, 74.4664

Protanopia

37.3523, 36.7435, 70.0893

Deuteranopia

37.7010, 36.8008, 75.6372



Tritanopia

29.7708, 37.0434, 53.7251

Trichromacy



Original Color

33.9283, 37.0294, 74.4664

Protanomaly

35.9220, 36.7638, 71.5325

Deuteranomaly

36.1105, 36.7842, 75.0089

Tritanomaly

31.1951, 37.0472, 60.7650

Monochromacy



Original Color

33.9283, 37.0294, 74.4664

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.2453, 34.8396, 48.7413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9283, 37.0294, 74.4664 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(111, 169, 222)` looks like.

```
.text, #text, p{  
    color:rgb(111, 169, 222)  
}
```

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(111, 169, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 169, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.9283, 37.0294, 74.4664 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(111, 169, 222) }
```


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

```
.border{ border-color:rgb(111, 169, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 169, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 169, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 169, 222);  
box-shadow:4px 4px 4px 4px rgb(111, 169,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9283, 37.0294, 74.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 169, 222) }
```

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

```
.background{ background-color: rgb(111,  
169, 222) }
```

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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