

Converting Colors

XYZ(35.9435, 37.1232, 80.1451)

Have a look what the booklet for
XYZ(35.9435, 37.1232, 80.1451)
contains.

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Color

**XYZ(35.9452, 37.1232,
80.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA6E6
RGB	122, 166, 230
RGB Percent	48%, 65%, 90%
CMY	0.5215, 0.3490, 0.0980
CMYK	0.47, 0.28, 0.00, 0.10
HSL	216°, 68%, 69%
HSV	216°, 47%, 90%
XYZ	35.9452, 37.1232, 80.1339
YIQ	160.1400, -46.7680, 10.5760

Conversions

Conversions Part 2

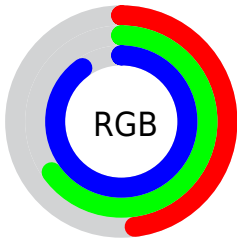
Format	Color
RYB	122, 153, 230
Decimal	8038118
CIELab	67.37, 2.23, -36.83
CIELCh	67, 36.898, 273.463
Yxy	37.1232, 0.2346, 0.2423
Android (android.graphics.Color)	4286228198 (0xFF7AA6E6)
YUV	160.1400, 34.4410, -33.4488
Hunter-Lab	60.9288, -1.3186, -35.3284

Details

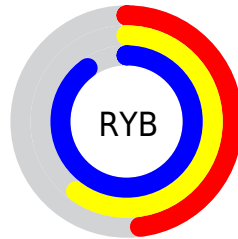
The XYZ color **35.9452, 37.1232, 80.1339** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.7062, 53.3476, 25.8804**, and the grayscale version is **33.3409, 35.0773, 38.1991**.

A 20% lighter version of the original color is **62.4969, 68.5166, 104.5388**, and **15.8373, 16.2144, 42.3394** is the 20% darker color. If you saturate the color by 10%, you get **30.7180, 30.9438, 79.2174**, and if you desaturate by 10%, it is **42.2082, 44.2277, 81.1758**.

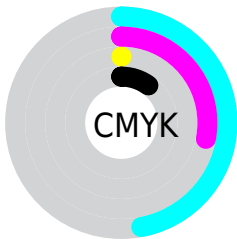
Distribution



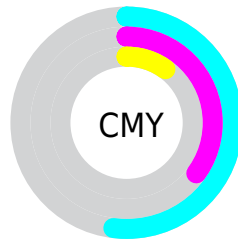
- Red (48%)
- Green (65%)
- Blue (90%)



- Red (48%)
- Yellow (60%)
- Blue (90%)



- Cyan (47%)
- Magenta (28%)
- Yellow (0%)
- Black (10%)



- Cyan (52%)
- Magenta (35%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9452, 37.1232, 80.1339 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 35.9452, 37.1232, 80.1339 by changing the saturation by 10% instead.

■ 35.9452, 37.1232,
80.1339

■ 35.9452, 37.1232,
80.1339

320.1564,
333.8436, 515.1026

■ 24.5618, 25.3029,
59.3017

■ 68.2719, 70.7622,
135.3671

■ 15.8779, 16.3029,
42.4344

■ 89.9459, 93.3497,
170.6052

■ 9.5281, 9.7387,
29.1135

■ 115.7808,
120.2951, 211.4823

■ 5.1470, 5.2261,
18.9204

146.1420,
151.9827, 258.4170

■ 2.3694, 2.3805,
11.4365

181.3948,
188.7970, 311.8279

■ 0.8298, 0.8158,
6.2434

221.9045,

■ 0.0000, 0.0000,

231.1223, 372.1334

2.9225

268.0366,
279.3430, 439.7521

■ 0.0000, 0.0000,
1.0552

■ 0.0000, 0.0000,
0.0000

■ 35.9452, 37.1232,
80.1339

■ 35.9452, 37.1232,
80.1339

■ 30.7180, 30.9438,
79.2174

■ 42.2082, 44.2277,
81.1758

■ 26.4594, 25.6408,
78.4182

■ 49.5606, 52.2946,
82.3454

■ 23.0995, 21.1661,
77.7316

■ 58.0569, 61.3637,
83.6481

■ 20.5559, 17.4640,
77.1511

■ 67.7466, 71.4710,
85.0883

■ 18.7247, 14.4664,
76.6690

■ 78.6760, 82.6508,
86.6702

■ 18.2594, 13.6659,
76.5390

■ 89.0234, 93.9738,
88.3103

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



30.6479, 37.1232, 75.1552



35.9452, 37.1232, 80.1339



41.6235, 37.1232, 72.3474

Triad

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



35.9452, 37.1232, 80.1339



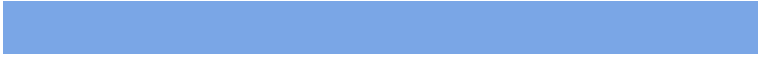
45.1508, 37.1232, 25.5714



26.4264, 37.1232, 28.0477

Complementary

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



35.9452, 37.1232, 80.1339



53.7062, 53.3476, 25.8804

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.



29.6241, 37.1232, 19.6166



35.9452, 37.1232, 80.1339



40.3666, 37.1232, 18.4780

Square

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



35.9452, 37.1232, 80.1339



47.2837, 37.1232, 38.5693



34.6319, 37.1232, 16.6309



25.5092, 37.1232, 42.3307

Rectangle

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



35.9452, 37.1232, 80.1339



44.7579, 37.1232, 61.9290



34.6319, 37.1232, 16.6309



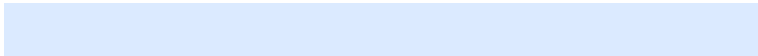
27.2521, 37.1232, 24.5769

Sweetspot

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



35.9465, 37.1246, 80.1348



76.7323, 81.0836, 106.2142



45.0811, 64.2350, 55.9230



15.8780, 16.7819, 22.6523



0.0000, 0.0000, 0.0000



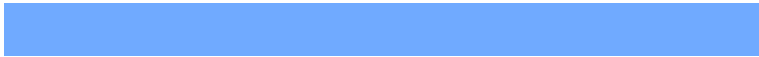
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.9465, 37.1246, 80.1348



39.2031, 39.5689, 100.1791



30.6040, 24.4592, 77.9717



14.0625, 14.8465, 18.2688



10.4505, 7.9630, 43.3694



0.8616, 0.7672, 3.2346

Inverse Universe

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



46.4768, 33.4967, 40.0936



54.3477, 35.8091, 42.2648



61.6294, 73.3718, 29.3279



14.6192, 14.4648, 16.1949



19.6684, 10.0016, 7.1488



1.4985, 0.7571, 0.7659

Previews

White Background



This preview shows how the XYZ color 35.9452, 37.1232, 80.1339 looks on a white background.

Color Contrast Check

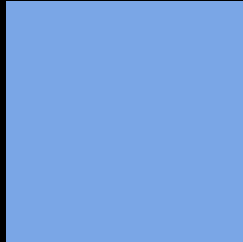
Large Text (above 18pt) WCAG AA × Fail

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 35.9452, 37.1232, 80.1339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

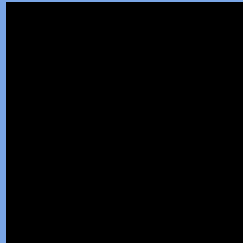
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

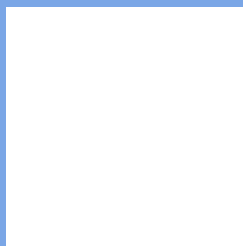
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9452, 37.1232, 80.1339

Background



This preview shows how black text looks on a background with the XYZ color 35.9452, 37.1232, 80.1339.



This preview shows how white text looks on a background with the XYZ color 35.9452, 37.1232,

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

35.9452, 37.1232, 80.1339

Protanopia

37.9739, 36.9100, 77.0744

Deuteranopia

37.9916, 37.0992, 80.7598



Tritanopia

30.5198, 37.1542, 53.1399

Trichromacy



Original Color

35.9452, 37.1232, 80.1339

Protanomaly

37.1157, 36.9747, 77.8537

Deuteranomaly

37.1939, 36.9505, 80.7731

Tritanomaly

32.2818, 37.0150, 61.9431

Monochromacy



Original Color

35.9452, 37.1232, 80.1339

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.5313, 35.4544, 50.9750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9452, 37.1232, 80.1339 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, 166, 230)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 230)  
}
```

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, 166, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.9452, 37.1232, 80.1339 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, 166, 230) }
```


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

```
.border{ border-color:rgb(122, 166, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 166, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 230);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9452, 37.1232, 80.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 230) }
```

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

```
.background{ background-color: rgb(122,  
166, 230) }
```

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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