

Converting Colors

XYZ(35.7106, 37.2940, 66.9443)

Have a look what the booklet for
XYZ(35.7106, 37.2940, 66.9443)
contains.

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Color

**XYZ(35.7106, 37.2940,
66.9443)**

Conversions

Conversions Part 1

Format	Color
Hex	89A6D3
RGB	137, 166, 211
RGB Percent	54%, 65%, 83%
CMY	0.4627, 0.3490, 0.1725
CMYK	0.35, 0.21, 0.00, 0.17
HSL	216°, 46%, 68%
HSV	216°, 35%, 83%
XYZ	35.7106, 37.2940, 66.9443
YIQ	162.4590, -31.7290, 7.8470

Conversions

Conversions Part 2

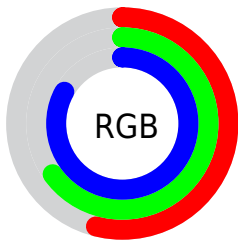
Format	Color
RYB	137, 158, 211
Decimal	9021139
CIELab	67.50, 0.89, -26.10
CIELCh	67, 26.120, 271.954
Yxy	37.2940, 0.2552, 0.2665
Android (android.graphics.Color)	4287211219 (0xFF89A6D3)
YUV	162.4590, 23.9307, -22.3275
Hunter-Lab	61.0688, -2.4908, -22.2462

Details

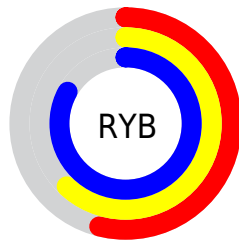
The XYZ color **35.7106, 37.2940, 66.9443** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.1079, 49.1114, 30.6119**, and the grayscale version is **34.4608, 36.2554, 39.4821**.

A 20% lighter version of the original color is **65.6447, 70.1394, 104.6861**, and **15.6742, 16.3197, 33.7764** is the 20% darker color. If you saturate the color by 10%, you get **30.3670, 31.2485, 66.0597**, and if you desaturate by 10%, it is **41.9657, 44.1565, 67.9399**.

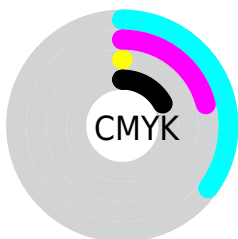
Distribution



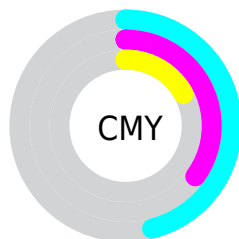
- Red (54%)
- Green (65%)
- Blue (83%)



- Red (54%)
- Yellow (62%)
- Blue (83%)



- Cyan (35%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)



- Cyan (46%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7106, 37.2940, 66.9443 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 35.7106, 37.2940, 66.9443 by changing the saturation by 10% instead.

■ 35.7106, 37.2940,
66.9443

■ 35.7106, 37.2940,
66.9443

319.1472,
334.5816, 468.2426

■ 24.3798, 25.4352,
48.5781

■ 67.9119, 71.0247,
116.4805

■ 15.7419, 16.4016,
33.9216

■ 89.5132, 93.6654,
148.4875

■ 9.4314, 9.8088,
22.5565

■ 115.2688,
120.6689, 185.8785

■ 5.0830, 5.2724,
14.0642

145.5439,
152.4196, 229.0721

■ 2.3313, 2.4079,
8.0261

180.7039,
189.3018, 278.4867

■ 0.8106, 0.8300,
4.0236

221.1142,

■ 0.0000, 0.0000,

231.6999, 334.5410

1.6383

267.1402,
279.9984, 397.6534

■ 0.0000, 0.0000,
0.3179

■ 0.0000, 0.0000,
0.0000

■ 35.7106, 37.2940,
66.9443

■ 35.7106, 37.2940,
66.9443

■ 30.3670, 31.2485,
66.0597

■ 41.9657, 44.1565,
67.9399

■ 25.8849, 25.9817,
65.2793

■ 49.1715, 51.8634,
69.0477

■ 22.2147, 21.4583,
64.5997

■ 57.3694, 60.4461,
70.2722

■ 19.2997, 17.6380,
64.0159

■ 66.5969, 69.9330,
71.6170

■ 17.0749, 14.4755,
63.5228

■ 76.8896, 80.3509,
73.0854

■ 15.4621, 11.9181,
63.1141

■ 85.0451, 90.0573,
74.5291

■ 14.8278, 10.8428,
62.9400

■ 88.7580, 97.4832,
75.7667

Harmonies

Analogous

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



31.9406, 37.2940, 63.4043



35.7106, 37.2940, 66.9443



39.6901, 37.2940, 62.3955

Triad

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



35.7106, 37.2940, 66.9443



42.4065, 37.2940, 29.9966



29.0625, 37.2940, 31.0759

Complementary

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



35.7106, 37.2940, 66.9443



48.1079, 49.1114, 30.6119

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.



31.5173, 37.2940, 24.5921



35.7106, 37.2940, 66.9443



39.2008, 37.2940, 24.0567

Square

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



35.7106, 37.2940, 66.9443



43.7329, 37.2940, 39.8579



35.1844, 37.2940, 22.2805



28.2796, 37.2940, 41.3651

Rectangle

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



35.7106, 37.2940, 66.9443



41.8785, 37.2940, 55.8086



35.1844, 37.2940, 22.2805



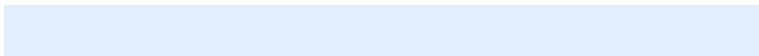
29.7098, 37.2940, 28.4514

Sweetspot

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



35.7118, 37.2954, 66.9452



80.2707, 84.6586, 106.7178



41.9933, 55.2603, 52.3855



16.8200, 17.7409, 22.7878



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.



35.7118, 37.2954, 66.9452



48.6307, 50.2786, 101.7494



32.2762, 28.5610, 65.4403



11.5383, 12.1668, 14.9840



9.0416, 6.7299, 38.0149



0.5819, 0.5290, 2.1510

Inverse Universe

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



42.6936, 34.4945, 40.4859



61.0946, 46.1206, 54.3247



52.6027, 61.1763, 32.7038



11.9978, 11.8839, 13.2644



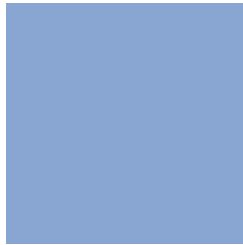
17.1945, 8.7506, 5.9305



0.9999, 0.5047, 0.5345

Previews

White Background



This preview shows how the XYZ color 35.7106, 37.2940, 66.9443 looks on a white background.

Color Contrast Check

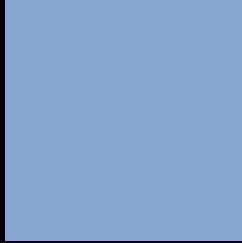
Large Text (above 18pt) WCAG AA × Fail

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 35.7106, 37.2940, 66.9443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

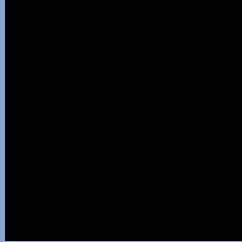
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

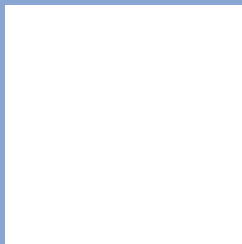
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7106, 37.2940, 66.9443

Background



This preview shows how black text looks on a background with the XYZ color 35.7106, 37.2940, 66.9443.



This preview shows how white text looks on a background with the XYZ color 35.7106, 37.2940,

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

35.7106, 37.2940, 66.9443

Protanopia

37.2544, 37.0701, 64.8662

Deuteranopia

37.9550, 37.1132, 67.4505



Tritanopia

32.5747, 37.4118, 50.8517

Trichromacy



Original Color

35.7106, 37.2940, 66.9443

Protanomaly

36.6384, 37.0009, 65.5324

Deuteranomaly

37.1936, 37.2438, 67.5158

Tritanomaly

33.5984, 37.2575, 56.4595

Monochromacy



Original Color

35.7106, 37.2940, 66.9443

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.4723, 36.2620, 48.3624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7106, 37.2940, 66.9443 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(137, 166, 211)` looks like.

```
.text, #text, p{  
    color:rgb(137, 166, 211)  
}
```

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(137, 166, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 166, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.7106, 37.2940, 66.9443 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(137, 166, 211) }
```


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

```
.border{ border-color:rgb(137, 166, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 166, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 166, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 166, 211);  
box-shadow:4px 4px 4px 4px rgb(137, 166,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7106, 37.2940, 66.9443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 166, 211) }
```

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

```
.background{ background-color: rgb(137,  
166, 211) }
```

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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