

Converting Colors

XYZ(34.1022, 37.0449, 67.2651)

Have a look what the booklet for
XYZ(34.1022, 37.0449, 67.2651)
contains.

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Color

**XYZ(34.0727, 36.9935,
66.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA8D3
RGB	124, 168, 211
RGB Percent	49%, 66%, 83%
CMY	0.5137, 0.3412, 0.1725
CMYK	0.41, 0.20, 0.00, 0.17
HSL	210°, 50%, 66%
HSV	210°, 41%, 83%
XYZ	34.0727, 36.9935, 66.9727
YIQ	159.7460, -40.0270, 4.0450

Conversions

Conversions Part 2

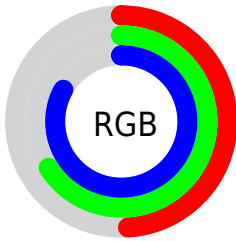
Format	Color
RYB	124, 153, 211
Decimal	8169683
CIELab	67.27, -3.74, -26.52
CIELCh	67, 26.779, 261.966
Yxy	36.9935, 0.2468, 0.2680
Android (android.graphics.Color)	4286359763 (0xFF7CA8D3)
YUV	159.7460, 25.2682, -31.3492
Hunter-Lab	60.8223, -6.4431, -22.7099

Details

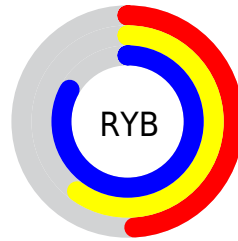
The XYZ color **34.0727, 36.9935, 66.9727** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.3217, 42.9426, 25.0228**, and the grayscale version is **33.1984, 34.9273, 38.0358**.

A 20% lighter version of the original color is **63.0281, 69.5791, 104.7159**, and **14.7719, 16.1932, 33.7995** is the 20% darker color. If you saturate the color by 10%, you get **29.4948, 31.8898, 66.2295**, and if you desaturate by 10%, it is **39.4598, 42.7452, 67.7996**.

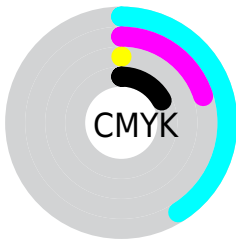
Distribution



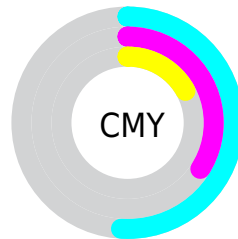
- Red (49%)
- Green (66%)
- Blue (83%)



- Red (49%)
- Yellow (60%)
- Blue (83%)



- Cyan (41%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (51%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0727, 36.9935, 66.9727 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 34.0727, 36.9935, 66.9727 by changing the saturation by 10% instead.

■ 34.0727, 36.9935,
66.9727

■ 34.0727, 36.9935,
66.9727

312.0363,
333.2824, 468.3464

■ 23.1126, 25.2025,
48.6010

■ 65.3902, 70.5628,
116.5216

■ 14.7978, 16.2280,
33.9397

■ 86.4784, 93.1098,
148.5358

■ 8.7630, 9.6856,
22.5703

■ 111.6733,
120.0110, 185.9346

■ 4.6428, 5.1910,
14.0742

141.3403,
151.6507, 229.1366

■ 2.0718, 2.3598,
8.0330

175.8447,
188.4132, 278.5602

■ 0.6738, 0.8051,
4.0280

215.5520,

■ 0.0000, 0.0000,

230.6831, 334.6240

1.6407

260.8274,
278.8447, 397.7466

■ 0.0000, 0.0000,
0.3196

■ 0.0000, 0.0000,
0.0000

■ 34.0727, 36.9935,
66.9727

■ 34.0727, 36.9935,
66.9727

■ 29.4948, 31.8898,
66.2295

■ 39.4598, 42.7452,
67.7996

■ 25.6770, 27.4010,
65.5643

■ 45.6943, 49.1674,
68.7106

■ 22.5697, 23.4968,
64.9745

■ 52.8160, 56.2864,
69.7094

■ 20.1155, 20.1419,
64.4563

■ 60.8612, 64.1257,
70.7985

■ 18.2462, 17.2951,
64.0053

■ 69.8639, 72.7076,
71.9805

■ 16.9860, 15.1591,
63.6595

■ 79.8565, 82.0533,
73.2577

■ 84.4544, 88.8760,
74.3323

■ 87.6304, 95.2280,
75.3910

■ 88.7580, 97.4832,
75.7668

Harmonies

Analogous

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



30.5318, 36.9935, 60.7678



34.0727, 36.9935, 66.9727



38.1879, 36.9935, 65.0065

Triad

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



34.0727, 36.9935, 66.9727



42.9765, 36.9935, 32.4235



29.3197, 36.9935, 27.9275

Complementary

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



34.0727, 36.9935, 66.9727



44.3217, 42.9426, 25.0228

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.



32.2989, 36.9935, 22.7842



34.0727, 36.9935, 66.9727



40.2364, 36.9935, 25.0075

Square

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



34.0727, 36.9935, 66.9727



43.5437, 36.9935, 43.5126



36.2727, 36.9935, 21.8301



27.9301, 36.9935, 37.2109

Rectangle

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



34.0727, 36.9935, 66.9727



40.6906, 36.9935, 59.4698



36.2727, 36.9935, 21.8301



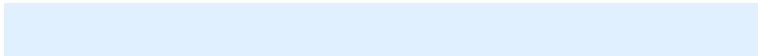
30.1569, 36.9935, 25.7378

Sweetspot

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



34.0739, 36.9949, 66.9736



80.0382, 85.3785, 106.8690



38.4950, 53.6296, 44.4243



16.8089, 17.9550, 22.8297



0.0000, 0.0000, 0.0000



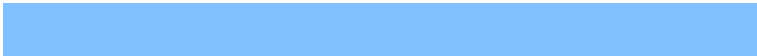
20.3446, 21.4041, 23.3091

Same Dimension

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



34.0739, 36.9949, 66.9736



46.3875, 50.2175, 101.8558



27.4620, 23.7710, 64.7696



11.6507, 12.3918, 15.0214



10.3537, 9.3539, 38.4523



0.6583, 0.6817, 2.1765

Inverse Universe

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



41.1406, 31.0926, 40.8803



58.8821, 41.0997, 55.4243



53.4385, 61.1762, 28.0618



12.0546, 11.9066, 13.5634



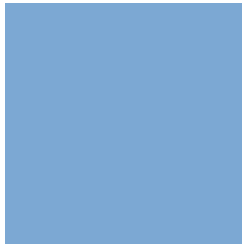
17.8568, 9.0156, 9.4179



1.0385, 0.5201, 0.7375

Previews

White Background



This preview shows how the XYZ color 34.0727, 36.9935, 66.9727 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 34.0727, 36.9935, 66.9727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

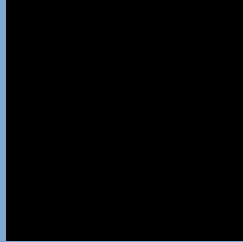
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0727, 36.9935, 66.9727

Background



This preview shows how black text looks on a background with the XYZ color 34.0727, 36.9935, 66.9727.



This preview shows how white text looks on a background with the XYZ color 34.0727, 36.9935,

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

34.0727, 36.9935, 66.9727

Protanopia

36.8343, 36.6214, 63.5198

Deuteranopia

37.7179, 36.7180, 68.0501



Tritanopia

30.9516, 36.8321, 51.9324

Trichromacy



Original Color

34.0727, 36.9935, 66.9727

Protanomaly

35.8160, 36.8558, 64.9007

Deuteranomaly

36.1362, 36.6986, 67.4663

Tritanomaly

32.1590, 37.0590, 57.0879

Monochromacy



Original Color

34.0727, 36.9935, 66.9727

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2665, 35.6521, 47.7760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0727, 36.9935, 66.9727 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(124, 168, 211)` looks like.

```
.text, #text, p{  
    color:rgb(124, 168, 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(124, 168, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 168, 211) }
```

Border

The CSS property to change the border of an element to XYZ 34.0727, 36.9935, 66.9727 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(124, 168, 211) }
```


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

```
.border{ border-color:rgb(124, 168, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 168, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 168, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 168, 211);  
box-shadow:4px 4px 4px 4px rgb(124, 168,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0727, 36.9935, 66.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 168, 211) }
```

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

```
.background{ background-color: rgb(124,  
168, 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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