

Converting Colors

XYZ(34.8911, 37.9105, 76.8570)

Have a look what the booklet for
XYZ(34.8911, 37.9105, 76.8570)
contains.

XYZ(34.9636, 38.0728, 76.7402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.9636, 38.0728,
76.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	71ABE1
RGB	113, 171, 225
RGB Percent	44%, 67%, 88%
CMY	0.5568, 0.3294, 0.1176
CMYK	0.50, 0.24, 0.00, 0.12
HSL	209°, 65%, 66%
HSV	209°, 50%, 88%
XYZ	34.9636, 38.0728, 76.7402
YIQ	159.8140, -51.9020, 4.4980

Conversions

Conversions Part 2

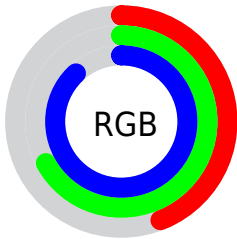
Format	Color
R _Y B	113, 151, 225
Decimal	7449569
CIE Lab	68.07, -4.13, -33.03
CIE LCh	68, 33.287, 262.871
Yxy	38.0728, 0.2334, 0.2542
Android (android.graphics.Color)	4285639649 (0xFF71ABE1)
YUV	159.8140, 32.1367, -41.0559
Hunter-Lab	61.7032, -6.8349, -30.5467

Details

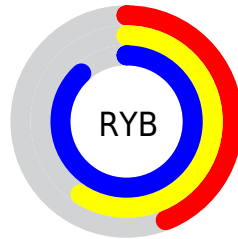
The XYZ color **34.9636, 38.0728, 76.7402** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.8520, 44.8389, 21.7570**, and the grayscale version is **33.2031, 34.9323, 38.0412**.

A 20% lighter version of the original color is **61.8239, 70.1588, 104.8913**, and **15.2796, 16.8425, 39.9817** is the 20% darker color. If you saturate the color by 10%, you get **30.4541, 32.8305, 75.9667**, and if you desaturate by 10%, it is **40.3614, 44.0241, 77.6051**.

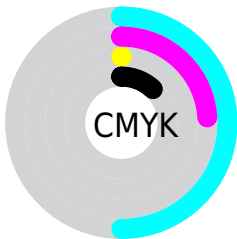
Distribution



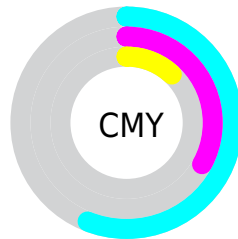
- Red (44%)
- Green (67%)
- Blue (88%)



- Red (44%)
- Yellow (59%)
- Blue (88%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (56%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9636, 38.0728, 76.7402 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 34.9636, 38.0728, 76.7402 by changing the saturation by 10% instead.

■ 34.9636, 38.0728,
76.7402

■ 34.9636, 38.0728,
76.7402

315.9185,
337.9322, 503.2919

■ 23.8012, 26.0392,
56.5294

■ 66.7638, 72.2197,
130.5423

■ 15.3102, 16.8530,
40.2207

■ 88.1323, 95.1018,
164.9707

■ 9.1251, 10.1297,
27.3956

■ 113.6335,
122.3688, 204.9754

■ 4.8806, 5.4850,
17.6355

143.6329,
154.4052, 250.9749

■ 2.2114, 2.5346,
10.5219

178.4957,
191.5954, 303.3878

■ 0.7488, 0.8939,
5.6362

218.5873,

■ 0.0000, 0.0000,

234.3236, 362.6325

2.5600

264.2731,
282.9744, 429.1277

■ 0.0000, 0.0000,
0.8717

■ 0.0000, 0.0000,
0.0000

■ 34.9636, 38.0728,
76.7402

■ 34.9636, 38.0728,
76.7402

■ 30.4541, 32.8305,
75.9667

■ 40.3614, 44.0241,
77.6051

■ 26.7709, 28.2573,
75.2781

■ 46.6960, 50.7131,
78.5624

■ 23.8496, 24.3143,
74.6710

■ 54.0166, 58.1714,
79.6161

■ 21.6125, 20.9551,
74.1406

■ 62.3678, 66.4275,
80.7696

■ 19.9305, 18.1065,
73.6794

■ 71.7914, 75.5079,
82.0256

■ 19.8960, 18.0467,
73.6697

■ 82.3264, 85.4382,
83.3871

■ 88.0735, 93.1818,
84.5788

■ 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



30.4955, 38.0728, 68.6471



34.9636, 38.0728, 76.7402



40.2027, 38.0728, 73.7283

Triad

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



34.9636, 38.0728, 76.7402



46.1745, 38.0728, 31.3164



28.8047, 38.0728, 26.4956

Complementary

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



34.9636, 38.0728, 76.7402



47.8520, 44.8389, 21.7570

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.



32.4481, 38.0728, 20.3162



34.9636, 38.0728, 76.7402



42.5460, 38.0728, 22.5999

Square

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



34.9636, 38.0728, 76.7402



47.0111, 38.0728, 45.1009



37.4387, 38.0728, 19.0836



27.1667, 38.0728, 38.0107

Rectangle

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



34.9636, 38.0728, 76.7402



43.4042, 38.0728, 66.1051



37.4387, 38.0728, 19.0836



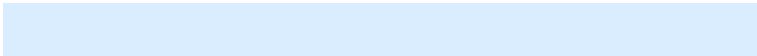
29.8178, 38.0728, 23.8495

Sweetspot

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



34.9649, 38.0742, 76.7411



76.7473, 82.2461, 106.4378



40.5524, 60.0885, 45.1872



15.9320, 17.1127, 22.7133



0.0000, 0.0000, 0.0000



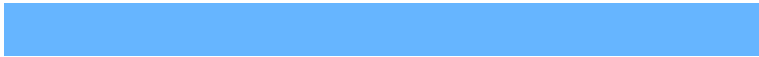
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9649, 38.0742, 76.7411



40.1005, 43.1868, 100.8301



26.7323, 21.6091, 73.9969



13.5362, 14.4116, 17.4560



11.5826, 10.6347, 42.4906



0.8924, 0.9163, 2.9751

Inverse Universe

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



44.3083, 30.7595, 42.1313



54.3557, 34.1085, 47.5595



59.9598, 69.0546, 25.7930



14.0021, 13.8185, 15.7814



19.7865, 9.9816, 10.8076



1.4167, 0.7100, 0.9872

Previews

White Background



This preview shows how the XYZ color 34.9636, 38.0728, 76.7402 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 34.9636, 38.0728, 76.7402 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 34.9636, 38.0728, 76.7402

Background



This preview shows how black text looks on a background with the XYZ color 34.9636, 38.0728, 76.7402.



This preview shows how white text looks on a background with the XYZ color 34.9636, 38.0728,

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

34.9636, 38.0728, 76.7402

Protanopia

38.4611, 37.7929, 72.2855

Deuteranopia

38.8164, 37.8514, 77.9333



Tritanopia

30.6056, 38.0306, 55.0178

Trichromacy



Original Color

34.9636, 38.0728, 76.7402

Protanomaly

37.0039, 37.8113, 73.7546

Deuteranomaly

37.1952, 37.8318, 77.2934

Tritanomaly

32.0533, 38.0359, 62.1522

Monochromacy



Original Color

34.9636, 38.0728, 76.7402

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2549, 35.8513, 50.5147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9636, 38.0728, 76.7402 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(113, 171, 225)` looks like.

```
.text, #text, p{  
    color:rgb(113, 171, 225)  
}
```

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(113, 171, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 171, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.9636, 38.0728, 76.7402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

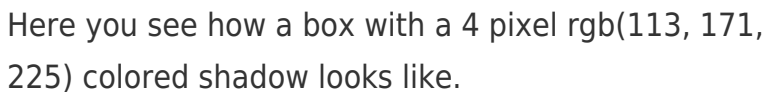
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 171, 225) }
```


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

```
.border{ border-color:rgb(113, 171, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 171, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 171, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 171, 225); box-shadow:4px 4px 4px 4px rgb(113, 171, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9636, 38.0728, 76.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 171, 225) }
```

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

```
.background{ background-color: rgb(113,  
171, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor