

Converting Colors

XYZ(34.9776, 36.5132, 72.9144)

Have a look what the booklet for
XYZ(34.9776, 36.5132, 72.9144)
contains.

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Color

**XYZ(34.9776, 36.5132,
72.9144)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA5DC
RGB	126, 165, 220
RGB Percent	49%, 65%, 86%
CMY	0.5059, 0.3529, 0.1373
CMYK	0.43, 0.25, 0.00, 0.14
HSL	215°, 57%, 68%
HSV	215°, 43%, 86%
XYZ	34.9776, 36.5132, 72.9144
YIQ	159.6090, -40.8990, 8.8370

Conversions

Conversions Part 2

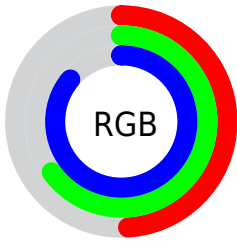
Format	Color
RYB	126, 154, 220
Decimal	8299996
CIELab	66.91, 0.93, -32.03
CIELCh	67, 32.042, 271.671
Yxy	36.5132, 0.2422, 0.2529
Android (android.graphics.Color)	4286490076 (0xFF7EA5DC)
YUV	159.6090, 29.7728, -29.4751
Hunter-Lab	60.4262, -2.4213, -29.2451

Details

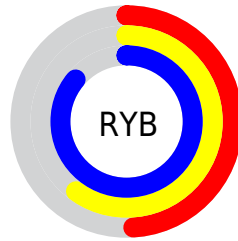
The XYZ color **34.9776, 36.5132, 72.9144** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.8060, 49.7710, 26.7218**, and the grayscale version is **33.1158, 34.8404, 37.9412**.

A 20% lighter version of the original color is **62.9346, 68.3515, 104.4839**, and **15.2952, 15.8665, 37.8537** is the 20% darker color. If you saturate the color by 10%, you get **29.8772, 30.6095, 72.0444**, and if you desaturate by 10%, it is **41.0275, 43.2548, 73.8975**.

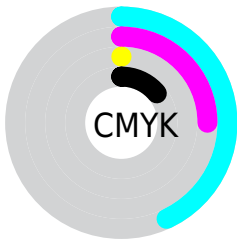
Distribution



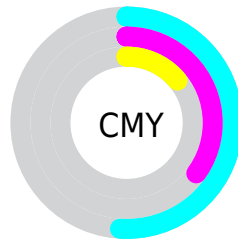
- Red (49%)
- Green (65%)
- Blue (86%)



- Red (49%)
- Yellow (60%)
- Blue (86%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (14%)



- Cyan (51%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9776, 36.5132, 72.9144 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 34.9776, 36.5132, 72.9144 by changing the saturation by 10% instead.

■ 34.9776, 36.5132,
72.9144

■ 34.9776, 36.5132,
72.9144

315.9792,
331.1981, 489.7809

■ 23.8121, 24.8308,
53.4146

■ 66.7853, 69.8234,
125.0755

■ 15.3182, 15.9510,
37.7438

■ 88.1582, 92.2201,
158.5738

■ 9.1308, 9.4895,
25.4836

■ 113.6642,
118.9569, 197.5754

■ 4.8844, 5.0618,
16.2155

143.6688,
150.4184, 242.4987

■ 2.2136, 2.2836,
9.5207

178.5372,
186.9888, 293.7624

■ 0.7499, 0.7650,
4.9810

218.6348,

■ 0.0000, 0.0000,

229.0527, 351.7850

2.1775

264.3270,
276.9943, 416.9850

■ 0.0000, 0.0000,
0.6614

■ 0.0000, 0.0000,
0.0000

■ 34.9776, 36.5132,
72.9144

■ 34.9776, 36.5132,
72.9144

■ 29.8772, 30.6095,
72.0444

■ 41.0275, 43.2548,
73.8975

■ 25.6684, 25.5014,
71.2802

■ 48.0727, 50.8655,
74.9952

■ 22.2924, 21.1486,
70.6180

■ 56.1604, 59.3797,
76.2123

■ 19.6804, 17.5046,
70.0523

■ 65.3335, 68.8287,
77.5527

■ 17.7510, 14.5153,
69.5770

■ 75.6324, 79.2418,
79.0198

■ 16.6832, 12.6969,
69.2823

■ 85.9812, 90.0730,
80.5650

■ 89.9184, 97.9474,
81.8774

Harmonies

Analogous

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



30.4608, 36.5132, 68.2378



34.9776, 36.5132, 72.9144



39.8402, 36.5132, 67.1264

Triad

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



34.9776, 36.5132, 72.9144



43.2711, 36.5132, 27.3072



27.1192, 36.5132, 28.3718

Complementary

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



34.9776, 36.5132, 72.9144



49.8060, 49.7710, 26.7218

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.



30.0306, 36.5132, 21.0681



34.9776, 36.5132, 72.9144



39.3256, 36.5132, 20.5618

Square

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



34.9776, 36.5132, 72.9144



44.8969, 36.5132, 38.9822



34.4332, 36.5132, 18.5739



26.1850, 36.5132, 40.5413

Rectangle

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



34.9776, 36.5132, 72.9144



42.5547, 36.5132, 58.7485



34.4332, 36.5132, 18.5739



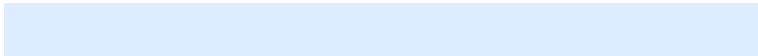
27.8848, 36.5132, 25.3746

Sweetspot

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



34.9788, 36.5146, 72.9153



78.0097, 82.4889, 106.4181



42.5219, 58.9523, 52.7655



16.1341, 17.0678, 22.6940



0.0000, 0.0000, 0.0000



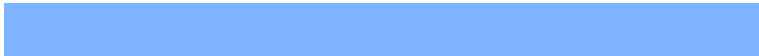
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9788, 36.5146, 72.9153



42.6016, 43.7790, 100.8126



30.1854, 25.1451, 70.9734



12.7803, 13.5003, 16.5844



9.8952, 7.6599, 40.6954



0.7248, 0.6637, 2.6643

Inverse Universe

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



43.7687, 32.8553, 39.6335



56.6945, 39.1655, 47.1700



56.5594, 66.7154, 29.6365



13.2790, 13.1407, 14.7302



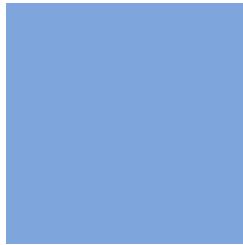
18.4900, 9.3970, 6.9603



1.2401, 0.6257, 0.6735

Previews

White Background



This preview shows how the XYZ color 34.9776, 36.5132, 72.9144 looks on a white background.

Color Contrast Check

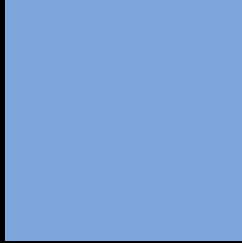
Large Text (above 18pt) WCAG AA × Fail

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 34.9776, 36.5132, 72.9144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

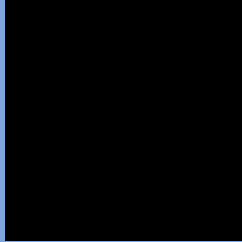
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

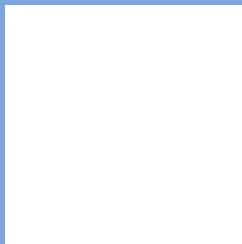
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9776, 36.5132, 72.9144

Background



This preview shows how black text looks on a background with the XYZ color 34.9776, 36.5132, 72.9144.



This preview shows how white text looks on a background with the XYZ color 34.9776, 36.5132,

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

34.9776, 36.5132, 72.9144

Protanopia

36.9981, 36.3025, 70.0228

Deuteranopia

37.2990, 36.3818, 73.4631



Tritanopia

30.5223, 36.3416, 51.3049

Trichromacy



Original Color

34.9776, 36.5132, 72.9144

Protanomaly

36.0922, 36.3394, 70.7576

Deuteranomaly

36.4527, 36.4644, 73.5237

Tritanomaly

32.1267, 36.4462, 58.7676

Monochromacy



Original Color

34.9776, 36.5132, 72.9144

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.5766, 35.5140, 49.3412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9776, 36.5132, 72.9144 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(126, 165, 220)` looks like.

```
.text, #text, p{  
    color:rgb(126, 165, 220)  
}
```

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(126, 165, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 165, 220) }
```

Border

The CSS property to change the border of an element to XYZ 34.9776, 36.5132, 72.9144 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(126, 165, 220) }
```


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

```
.border{ border-color:rgb(126, 165, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 165, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 165, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 165, 220);  
box-shadow:4px 4px 4px 4px rgb(126, 165,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9776, 36.5132, 72.9144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 165, 220) }
```

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

```
.background{ background-color: rgb(126,  
165, 220) }
```

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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