

Converting Colors

XYZ(34.5485, 36.3018, 72.8882)

Have a look what the booklet for
XYZ(34.5485, 36.3018, 72.8882)
contains.

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Color

**XYZ(34.5418, 36.2885,
72.8940)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA5DC
RGB	123, 165, 220
RGB Percent	48%, 65%, 86%
CMY	0.5176, 0.3529, 0.1373
CMYK	0.44, 0.25, 0.00, 0.14
HSL	214°, 58%, 67%
HSV	214°, 44%, 86%
XYZ	34.5418, 36.2885, 72.8940
YIQ	158.7120, -42.6870, 8.2010

Conversions

Conversions Part 2

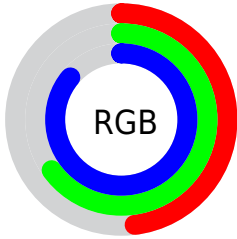
Format	Color
R _{YB}	123, 152, 220
Decimal	8103388
CIE _{Lab}	66.74, 0.17, -32.31
CIE _{LCh}	67, 32.306, 270.310
Yxy	36.2885, 0.2403, 0.2525
Android (android.graphics.Color)	4286293468 (0xFF7BA5DC)
YUV	158.7120, 30.2150, -31.3194
Hunter-Lab	60.2399, -3.0673, -29.5766

Details

The XYZ color **34.5418, 36.2885, 72.8940** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.0119, 48.4880, 25.5163**, and the grayscale version is **32.7047, 34.4079, 37.4702**.

A 20% lighter version of the original color is **62.2336, 67.9901, 104.4511**, and **15.0114, 15.7202, 37.8404** is the 20% darker color. If you saturate the color by 10%, you get **29.5999, 30.5626, 72.0499**, and if you desaturate by 10%, it is **40.4128, 42.8206, 73.8461**.

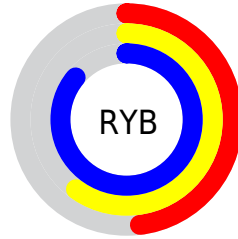
Distribution



Red (48%)

Green (65%)

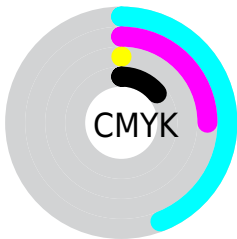
Blue (86%)



Red (48%)

Yellow (60%)

Blue (86%)

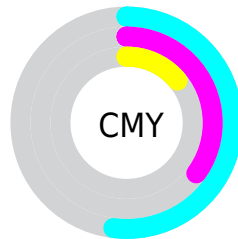


Cyan (44%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (52%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5418, 36.2885, 72.8940 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 34.5418, 36.2885, 72.8940 by changing the saturation by 10% instead.

■ 34.5418, 36.2885,
72.8940

■ 34.5418, 36.2885,
72.8940

314.0848,
330.2198, 489.7083

■ 23.4750, 24.6571,
53.3980

■ 66.1140, 69.4771,
125.0462

■ 15.0672, 15.8218,
37.7307

■ 87.3502, 91.8031,
158.5396

■ 8.9532, 9.3981,
25.4735

■ 112.7068,
118.4628, 197.5357

■ 4.7675, 5.0018,
16.2080

142.5493,
149.8405, 242.4533

■ 2.1449, 2.2483,
9.5155

177.2430,
186.3207, 293.7108

■ 0.7134, 0.7461,
4.9775

217.1532,

■ 0.0000, 0.0000,

228.2877, 351.7268

2.1756

262.6454,
276.1259, 416.9197

■ 0.0000, 0.0000,
0.6602

■ 0.0000, 0.0000,
0.0000

■ 34.5418, 36.2885,
72.8940

■ 34.5418, 36.2885,
72.8940

■ 29.5999, 30.5626,
72.0499

■ 40.4128, 42.8206,
73.8461

■ 25.5292, 25.6017,
71.3069

■ 47.2587, 50.1892,
74.9075

■ 22.2704, 21.3662,
70.6611

■ 55.1264, 58.4279,
76.0831

■ 19.7544, 17.8102,
70.1074

■ 64.0588, 67.5670,
77.3763

■ 17.8980, 14.8801,
69.6397

■ 74.0960, 77.6351,
78.7906

■ 17.0338, 13.3982,
69.3992

■ 85.2740, 88.6586,
80.3292

■ 89.0704, 96.2514,
81.5947

■ 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.



30.0536, 36.2885, 67.7208



34.5418, 36.2885, 72.8940



39.4411, 36.2885, 67.5133

Triad

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



34.5418, 36.2885, 72.8940



43.2325, 36.2885, 27.4538



26.9724, 36.2885, 27.6513

Complementary

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



34.5418, 36.2885, 72.8940



49.0119, 48.4880, 25.5163

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.



29.9737, 36.2885, 20.5727



34.5418, 36.2885, 72.8940



39.3453, 36.2885, 20.4789

Square

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



34.5418, 36.2885, 72.8940



44.7390, 36.2885, 39.3671



34.4405, 36.2885, 18.2883



25.9414, 36.2885, 39.6572

Rectangle

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



34.5418, 36.2885, 72.8940



42.2184, 36.2885, 59.2549



34.4405, 36.2885, 18.2883



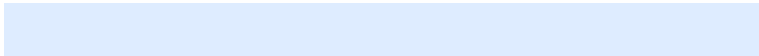
27.7694, 36.2885, 24.7281

Sweetspot

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



34.5430, 36.2899, 72.8949



78.1823, 82.8341, 106.4757



41.7953, 58.6113, 51.2136



16.1765, 17.1527, 22.7082



0.0000, 0.0000, 0.0000



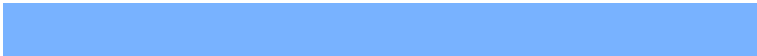
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5430, 36.2899, 72.8949



41.7686, 43.1898, 100.7428



29.1269, 24.0385, 70.8156



12.8001, 13.5399, 16.5910



10.1031, 8.0756, 40.7647



0.7391, 0.6923, 2.6691

Inverse Universe

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



43.3908, 32.0996, 39.5074



56.0113, 37.8860, 46.6740



56.7648, 66.8433, 28.6506



13.2890, 13.1447, 14.7829



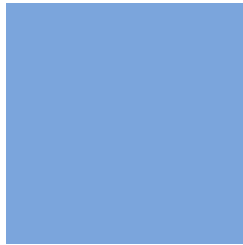
18.5949, 9.4390, 7.5128



1.2474, 0.6286, 0.7115

Previews

White Background



This preview shows how the XYZ color 34.5418, 36.2885, 72.8940 looks on a white background.

Color Contrast Check

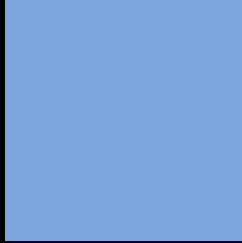
Large Text (above 18pt) WCAG AA × Fail

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 34.5418, 36.2885, 72.8940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

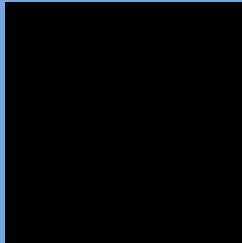
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5418, 36.2885, 72.8940

Background



This preview shows how black text looks on a background with the XYZ color 34.5418, 36.2885, 72.8940.

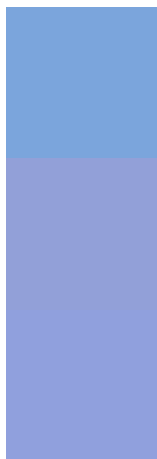


This preview shows how white text looks on a background with the XYZ color 34.5418, 36.2885,

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

34.5418, 36.2885, 72.8940

Protanopia

36.8195, 36.2105, 70.0145

Deuteranopia

37.1236, 36.2914, 73.4549



Tritanopia

30.1299, 36.1393, 51.2865

Trichromacy



Original Color

34.5418, 36.2885, 72.8940

Protanomaly

35.9259, 36.2537, 70.7498

Deuteranomaly

36.1248, 36.2954, 73.5083

Tritanomaly

31.7171, 36.2351, 58.7485

Monochromacy



Original Color

34.5418, 36.2885, 72.8940

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9394, 34.9369, 48.7235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5418, 36.2885, 72.8940 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(123, 165, 220)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 165, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 165, 220) }
```

Border

The CSS property to change the border of an element to XYZ 34.5418, 36.2885, 72.8940 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(123, 165, 220) }
```


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

```
.border{ border-color:rgb(123, 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(123, 165, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 165, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 165, 220);  
box-shadow:4px 4px 4px 4px rgb(123, 165,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5418, 36.2885, 72.8940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 165, 220) }
```

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

```
.background{ background-color: rgb(123,  
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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