

Converting Colors

XYZ(35.5844, 39.6092, 73.4800)

Have a look what the booklet for
XYZ(35.5844, 39.6092, 73.4800)
contains.

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Color

**XYZ(35.5844, 39.6092,
73.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	75AFDC
RGB	117, 175, 220
RGB Percent	46%, 69%, 86%
CMY	0.5412, 0.3137, 0.1373
CMYK	0.47, 0.20, 0.00, 0.14
HSL	206°, 60%, 66%
HSV	206°, 47%, 86%
XYZ	35.5844, 39.6092, 73.4800
YIQ	162.7880, -49.0130, 1.6990

Conversions

Conversions Part 2

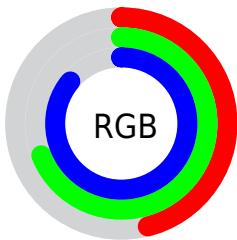
Format	Color
RYB	117, 154, 220
Decimal	7712732
CIELab	69.19, -6.83, -28.55
CIELCh	69, 29.355, 256.539
Yxy	39.6092, 0.2393, 0.2664
Android (android.graphics.Color)	4285902812 (0xFF75AFDC)
YUV	162.7880, 28.2055, -40.1561
Hunter-Lab	62.9358, -9.2125, -25.1683

Details

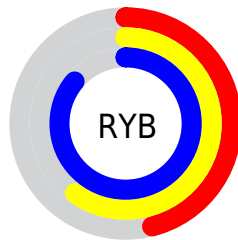
The XYZ color **35.5844, 39.6092, 73.4800** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.6476, 42.3420, 22.5980**, and the grayscale version is **34.6018, 36.4038, 39.6438**.

A 20% lighter version of the original color is **63.5804, 72.6979, 105.2888**, and **15.7380, 17.8432, 38.2119** is the 20% darker color. If you saturate the color by 10%, you get **31.1640, 34.6521, 72.7569**, and if you desaturate by 10%, it is **40.8351, 45.1936, 74.2819**.

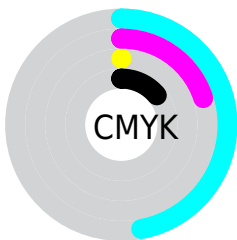
Distribution



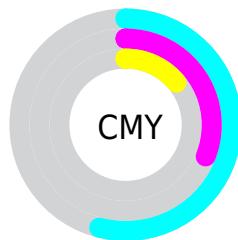
- Red (46%)
- Green (69%)
- Blue (86%)



- Red (46%)
- Yellow (60%)
- Blue (86%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (54%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5844, 39.6092, 73.4800 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 35.5844, 39.6092, 73.4800 by changing the saturation by 10% instead.

■ 35.5844, 39.6092,
73.4800

■ 35.5844, 39.6092,
73.4800

318.6034,
344.4736, 491.7920

■ 24.2820, 27.2340,
53.8743

■ 67.7182, 74.5680,
125.8856

■ 15.6688, 17.7490,
38.1087

■ 89.2803, 97.9205,
159.5227

■ 9.3795, 10.7699,
25.7646

■ 114.9930,
125.7007, 198.6739

■ 5.0486, 5.9124,
16.4234

145.2217,
158.2932, 243.7579

■ 2.3109, 2.7919,
9.6667

180.3318,
196.0824, 295.1931

■ 0.8002, 1.0241,
5.0758

220.6885,

■ 0.0000, 0.0000,

239.4526, 353.3982

2.2323

266.6572,
288.7882, 418.7917

■ 0.0000, 0.0000,
0.6929

■ 0.0000, 0.0000,
0.0000

■ 35.5844, 39.6092,
73.4800

■ 35.5844, 39.6092,
73.4800

■ 31.1640, 34.6521,
72.7569

■ 40.8351, 45.1936,
74.2819

■ 27.5179, 30.2870,
72.1065

■ 46.9595, 51.4293,
75.1627

■ 24.5887, 26.4809,
71.5262

■ 54.0024, 58.3440,
76.1262

■ 22.3079, 23.1941,
71.0120

■ 62.0042, 65.9622,
77.1749

■ 20.5883, 20.3770,
70.5589

■ 71.0027, 74.3072,
78.3114

■ 20.1116, 19.5537,
70.4251

■ 81.0337, 83.4009,
79.5379

■ 85.9953, 90.1011,
80.5697

■ 88.9362, 95.9830,
81.5500

■ 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.



31.7719, 39.6092, 64.7509



35.5844, 39.6092, 73.4800



40.2765, 39.6092, 72.9685

Triad

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



35.5844, 39.6092, 73.4800



46.9830, 39.6092, 36.1777



31.4667, 39.6092, 27.6740

Complementary

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



35.5844, 39.6092, 73.4800



45.6476, 42.3420, 22.5980

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.



35.1352, 39.6092, 22.7852



35.5844, 39.6092, 73.4800



44.2058, 39.6092, 26.9499

Square

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



35.5844, 39.6092, 73.4800



47.1286, 39.6092, 49.4316



39.7885, 39.6092, 22.5511



29.5315, 39.6092, 37.3839

Rectangle

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



35.5844, 39.6092, 73.4800



43.2828, 39.6092, 67.4182



39.7885, 39.6092, 22.5511



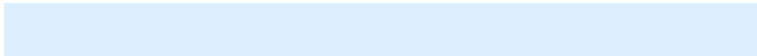
32.5236, 39.6092, 25.5094

Sweetspot

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



35.5857, 39.6107, 73.4809



78.3384, 84.2959, 106.7496



39.4196, 57.5649, 43.0468



16.2685, 17.5629, 22.7825



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.



35.5857, 39.6107, 73.4809



43.7419, 48.6464, 101.6920



27.4467, 23.3327, 70.7679



12.9440, 13.8277, 16.6389



11.9160, 11.7014, 41.3689



0.8572, 0.9285, 2.7085

Inverse Universe

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



43.6155, 31.0348, 44.2505



56.6387, 36.7255, 54.3289



56.5548, 64.1565, 26.2338



13.3616, 13.1737, 15.1653



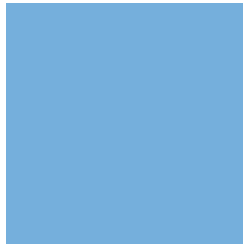
19.5100, 9.8050, 12.3314



1.3070, 0.6524, 1.0254

Previews

White Background



This preview shows how the XYZ color 35.5844, 39.6092, 73.4800 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 35.5844, 39.6092, 73.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

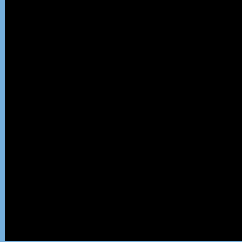
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5844, 39.6092, 73.4800

Background



This preview shows how black text looks on a background with the XYZ color 35.5844, 39.6092, 73.4800.

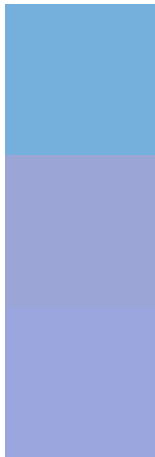


This preview shows how white text looks on a background with the XYZ color 35.5844, 39.6092,

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

35.5844, 39.6092, 73.4800

Protanopia

39.4841, 39.1954, 69.1028

Deuteranopia

40.3386, 39.5149, 74.6083



Tritanopia

32.3655, 39.7888, 57.0131

Trichromacy



Original Color

35.5844, 39.6092, 73.4800

Protanomaly

37.7380, 39.0846, 70.5208

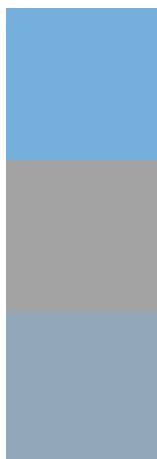
Deuteranomaly

38.2236, 39.2591, 73.9698

Tritanomaly

33.3820, 39.5973, 62.3835

Monochromacy



Original Color

35.5844, 39.6092, 73.4800

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3245, 37.2091, 50.7204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5844, 39.6092, 73.4800 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(117, 175, 220)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 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(117, 175, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 220) }
```

Border

The CSS property to change the border of an element to XYZ 35.5844, 39.6092, 73.4800 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(117, 175, 220) }
```


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

```
.border{ border-color:rgb(117, 175, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 175, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 175, 220);  
box-shadow:4px 4px 4px 4px rgb(117, 175,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5844, 39.6092, 73.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 220) }
```

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

```
.background{ background-color: rgb(117,  
175, 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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