

Converting Colors

XYZ(35.1666, 36.6090, 76.3652)

Have a look what the booklet for
XYZ(35.1666, 36.6090, 76.3652)
contains.

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Color

**XYZ(35.0718, 36.4841,
76.4278)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA5E1
RGB	122, 165, 225
RGB Percent	48%, 65%, 88%
CMY	0.5215, 0.3529, 0.1176
CMYK	0.46, 0.27, 0.00, 0.12
HSL	215°, 63%, 68%
HSV	215°, 46%, 88%
XYZ	35.0718, 36.4841, 76.4278
YIQ	158.9830, -44.8880, 9.5440

Conversions

Conversions Part 2

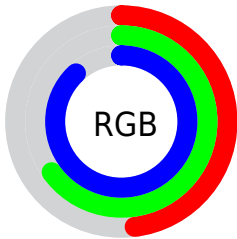
Format	Color
RYB	122, 152, 225
Decimal	8037857
CIELab	66.89, 1.35, -34.83
CIELCh	67, 34.859, 272.220
Yxy	36.4841, 0.2370, 0.2465
Android (android.graphics.Color)	4286227937 (0xFF7AA5E1)
YUV	158.9830, 32.5464, -32.4341
Hunter-Lab	60.4021, -2.0596, -32.7392

Details

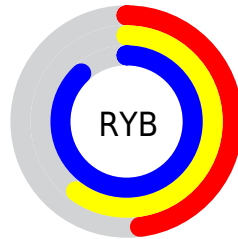
The XYZ color **35.0718, 36.4841, 76.4278** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.2933, 50.8701, 25.5294**, and the grayscale version is **32.8187, 34.5278, 37.6008**.

A 20% lighter version of the original color is **62.0033, 67.8714, 104.4403**, and **15.3133, 15.8331, 39.7851** is the 20% darker color. If you saturate the color by 10%, you get **30.0030, 30.5401, 75.5483**, and if you desaturate by 10%, it is **41.1229, 43.2956, 77.4243**.

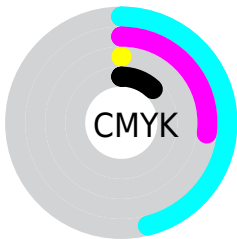
Distribution



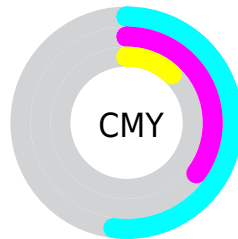
- Red (48%)
- Green (65%)
- Blue (88%)



- Red (48%)
- Yellow (60%)
- Blue (88%)



- Cyan (46%)
- Magenta (27%)
- Yellow (0%)
- Black (12%)



- Cyan (52%)
- Magenta (35%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0718, 36.4841, 76.4278 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 35.0718, 36.4841, 76.4278 by changing the saturation by 10% instead.

■ 35.0718, 36.4841,
76.4278

■ 35.0718, 36.4841,
76.4278

316.3876,
331.0715, 502.1966

■ 23.8850, 24.8083,
56.2746

■ 66.9303, 69.7786,
130.0971

■ 15.3726, 15.9343,
40.0177

■ 88.3326, 92.1661,
164.4502

■ 9.1693, 9.4777,
27.2384

■ 113.8708,
118.8930, 204.3738

■ 4.9098, 5.0540,
17.5184

143.9103,
150.3436, 250.2863

■ 2.2286, 2.2790,
10.4389

178.8164,
186.9024, 302.6063

■ 0.7578, 0.7626,
5.5815

218.9543,

■ 0.0000, 0.0000,

228.9537, 361.7523

2.5277

264.6896,
276.8819, 428.1429

■ 0.0000, 0.0000,
0.8548

■ 0.0000, 0.0000,
0.0000

■ 35.0718, 36.4841,
76.4278

■ 35.0718, 36.4841,
76.4278

■ 30.0030, 30.5401,
75.5483

■ 41.1229, 43.2956,
77.4243

■ 25.8537, 25.4184,
74.7784

■ 48.2062, 51.0085,
78.5397

■ 22.5595, 21.0751,
74.1137

■ 56.3724, 59.6595,
79.7791

■ 20.0443, 17.4590,
73.5483

■ 65.6676, 69.2820,
81.1466

■ 18.2160, 14.5102,
73.0755

■ 76.1352, 79.9076,
82.6458

■ 17.5873, 13.4295,
72.9000

■ 87.0745, 91.1839,
84.2458

■ 90.5907, 98.2163,
85.4178

Harmonies

Analogous

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



30.1582, 36.4841, 71.3938



35.0718, 36.4841, 76.4278



40.3753, 36.4841, 69.7418

Triad

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



35.0718, 36.4841, 76.4278



43.9924, 36.4841, 26.1541



26.4496, 36.4841, 27.6585

Complementary

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



35.0718, 36.4841, 76.4278



51.2933, 50.8701, 25.5294

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.



29.5418, 36.4841, 19.8580



35.0718, 36.4841, 76.4278



39.6261, 36.4841, 19.1570

Square

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



35.0718, 36.4841, 76.4278



45.8406, 36.4841, 38.6093



34.2853, 36.4841, 17.1822



25.4912, 36.4841, 40.8620

Rectangle

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



35.0718, 36.4841, 76.4278



43.3341, 36.4841, 60.3274



34.2853, 36.4841, 17.1822



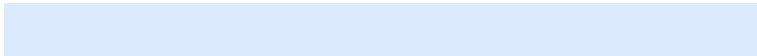
27.2573, 36.4841, 24.4450

Sweetspot

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



35.0731, 36.4854, 76.4287



76.8346, 81.2883, 106.2483



43.2281, 61.2992, 52.9311



15.9029, 16.8315, 22.6606



0.0000, 0.0000, 0.0000



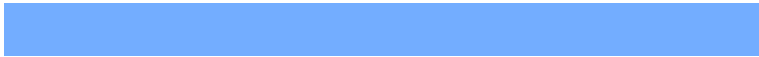
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0731, 36.4854, 76.4287



40.0886, 40.8504, 100.3798



29.5846, 24.0136, 74.3106



13.4198, 14.1788, 17.4172



10.2440, 7.9576, 42.0444



0.7970, 0.7255, 2.9433

Inverse Universe

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



44.8035, 32.6446, 39.5382



54.9142, 36.4933, 43.8373



59.3923, 70.1824, 28.8301



13.9434, 13.7950, 15.4720



19.1109, 9.7114, 7.2498



1.3685, 0.6907, 0.7336

Previews

White Background



This preview shows how the XYZ color 35.0718, 36.4841, 76.4278 looks on a white background.

Color Contrast Check

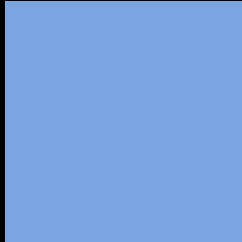
Large Text (above 18pt) WCAG AA × Fail

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 35.0718, 36.4841, 76.4278 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

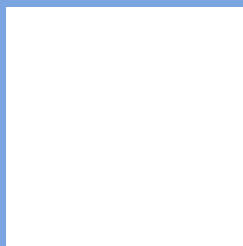
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0718, 36.4841, 76.4278

Background



This preview shows how black text looks on a background with the XYZ color 35.0718, 36.4841, 76.4278.



This preview shows how white text looks on a background with the XYZ color 35.0718, 36.4841,

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

35.0718, 36.4841, 76.4278

Protanopia

37.1236, 36.2914, 73.4549

Deuteranopia

37.2828, 36.2953, 76.9922



Tritanopia

30.1710, 36.4297, 51.8958

Trichromacy



Original Color

35.0718, 36.4841, 76.4278

Protanomaly

36.2585, 36.3488, 74.2122

Deuteranomaly

36.4793, 36.4000, 77.0547

Tritanomaly

31.6835, 36.1909, 59.9592

Monochromacy



Original Color

35.0718, 36.4841, 76.4278

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.1462, 35.0196, 49.8122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0718, 36.4841, 76.4278 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(122, 165, 225)` looks like.

```
.text, #text, p{  
    color:rgb(122, 165, 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(122, 165, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 165, 225) }
```

Border

The CSS property to change the border of an element to XYZ 35.0718, 36.4841, 76.4278 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(122, 165, 225) }
```


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

```
.border{ border-color:rgb(122, 165, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 165, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 165, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 165, 225); box-shadow:4px 4px 4px 4px rgb(122, 165, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0718, 36.4841, 76.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 165, 225) }
```

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

```
.background{ background-color: rgb(122,  
165, 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](#).

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