

Converting Colors

XYZ(37.3578, 39.1557, 79.1525)

Have a look what the booklet for
XYZ(37.3578, 39.1557, 79.1525)
contains.

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Color

**XYZ(37.4686, 39.3165,
79.0128)**

Conversions

Conversions Part 1

Format	Color
Hex	80ABE4
RGB	128, 171, 228
RGB Percent	50%, 67%, 89%
CMY	0.4980, 0.3294, 0.1059
CMYK	0.44, 0.25, 0.00, 0.11
HSL	214°, 65%, 70%
HSV	214°, 44%, 89%
XYZ	37.4686, 39.3165, 79.0128
YIQ	164.6410, -43.9250, 8.6110

Conversions

Conversions Part 2

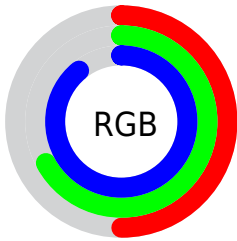
Format	Color
RYB	128, 158, 228
Decimal	8432612
CIELab	68.98, 0.32, -33.21
CIELCh	69, 33.210, 270.560
Yxy	39.3165, 0.2405, 0.2524
Android (android.graphics.Color)	4286622692 (0xFF80ABE4)
YUV	164.6410, 31.2360, -32.1342
Hunter-Lab	62.7029, -3.0659, -30.8202

Details

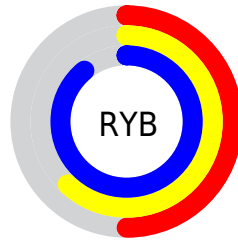
The XYZ color **37.4686, 39.3165, 79.0128** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.2412, 52.7517, 27.7996**, and the grayscale version is **35.4639, 37.3108, 40.6315**.

A 20% lighter version of the original color is **65.0135, 71.8031, 105.0405**, and **16.7157, 17.5499, 41.5362** is the 20% darker color. If you saturate the color by 10%, you get **32.0815, 33.0732, 78.0924**, and if you desaturate by 10%, it is **43.8702, 46.4427, 80.0516**.

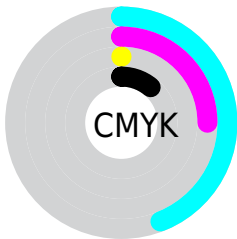
Distribution



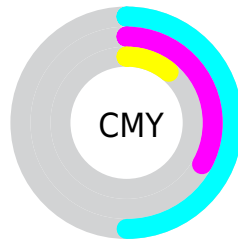
- Red (50%)
- Green (67%)
- Blue (89%)



- Red (50%)
- Yellow (62%)
- Blue (89%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4686, 39.3165, 79.0128 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 37.4686, 39.3165, 79.0128 by changing the saturation by 10% instead.

■ 37.4686, 39.3165,
79.0128

■ 37.4686, 39.3165,
79.0128

326.6553,
343.2342, 511.2184

■ 25.7459, 27.0060,
58.3850

■ 70.6021, 74.1216,
133.7757

■ 16.7653, 17.5778,
41.7015

■ 92.7435, 97.3850,
168.7479

■ 10.1616, 10.6473,
28.5438

■ 119.0885,
125.0681, 209.3385

■ 5.5693, 5.8302,
18.4934

150.0025,
157.5555, 255.9662

■ 2.6231, 2.7421,
11.1317

185.8509,
195.2313, 309.0495

■ 0.9578, 0.9986,
6.0402

226.9989,

■ 0.0000, 0.0000,

238.4802, 369.0070

2.8003

273.8119,
287.6863, 436.2571

■ 0.0000, 0.0000,
0.9936

■ 0.0000, 0.0000,
0.0000

■ 37.4686, 39.3165,
79.0128

■ 37.4686, 39.3165,
79.0128

■ 32.0815, 33.0732,
78.0924

■ 43.8702, 46.4427,
80.0516

■ 27.6457, 27.6676,
77.2828

■ 51.3364, 54.4851,
81.2104

■ 24.0967, 23.0564,
76.5798

■ 59.9185, 63.4804,
82.4944

■ 21.3587, 19.1893,
75.9777

■ 69.6630, 73.4618,
83.9074

■ 19.3413, 16.0077,
75.4699

■ 80.6139, 84.4608,
85.4532

■ 18.3752, 14.3445,
75.1998

■ 89.1130, 94.6000,
86.9624

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



32.5927, 39.3165, 73.4928



37.4686, 39.3165, 79.0128



42.7789, 39.3165, 73.0856

Triad

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



37.4686, 39.3165, 79.0128



46.8226, 39.3165, 29.6487



29.1980, 39.3165, 30.0362

Complementary

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



37.4686, 39.3165, 79.0128



53.2412, 52.7517, 27.7996

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.



32.4358, 39.3165, 22.3170



37.4686, 39.3165, 79.0128



42.5909, 39.3165, 22.1332

Square

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



37.4686, 39.3165, 79.0128



48.4821, 39.3165, 42.5251



37.2699, 39.3165, 19.7999



28.0991, 39.3165, 43.0942

Rectangle

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



37.4686, 39.3165, 79.0128



45.7813, 39.3165, 64.0918



37.2699, 39.3165, 19.7999



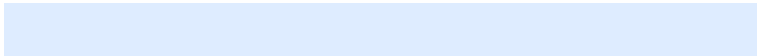
30.0563, 39.3165, 26.8516

Sweetspot

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



37.4699, 39.3180, 79.0137



78.1538, 82.7770, 106.4662



45.3685, 63.5657, 55.5942



16.1695, 17.1387, 22.7058



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.



37.4699, 39.3180, 79.0137



41.6883, 43.0291, 100.7160



31.6622, 26.1646, 76.7810



14.0899, 14.9012, 18.2779



10.7230, 8.5080, 43.4602



0.8831, 0.8102, 3.2418

Inverse Universe

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



47.0659, 34.8740, 42.7803



55.9708, 37.8698, 46.4605



61.5610, 72.4707, 31.1672



14.6330, 14.4704, 16.2676



19.8060, 10.0566, 7.8732



1.5094, 0.7615, 0.8229

Previews

White Background



This preview shows how the XYZ color 37.4686, 39.3165, 79.0128 looks on a white background.

Color Contrast Check

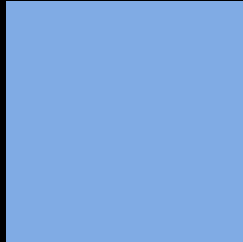
Large Text (above 18pt) WCAG AA × Fail

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 37.4686, 39.3165, 79.0128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

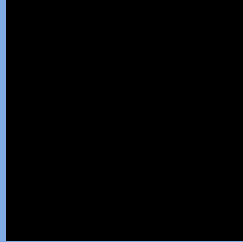
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4686, 39.3165, 79.0128

Background



This preview shows how black text looks on a background with the XYZ color 37.4686, 39.3165, 79.0128.



This preview shows how white text looks on a background with the XYZ color 37.4686, 39.3165,

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

37.4686, 39.3165, 79.0128

Protanopia

39.8533, 39.2336, 75.9934

Deuteranopia

40.1735, 39.3191, 79.6007



Tritanopia

32.9060, 39.4981, 55.7587

Trichromacy



Original Color

37.4686, 39.3165, 79.0128

Protanomaly

38.9209, 39.2811, 76.7648

Deuteranomaly

39.1300, 39.3251, 79.6569

Tritanomaly

34.3755, 39.2053, 63.5132

Monochromacy



Original Color

37.4686, 39.3165, 79.0128

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.8447, 37.9437, 53.0116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4686, 39.3165, 79.0128 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(128, 171, 228)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 228)  
}
```

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(128, 171, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 228) }
```

Border

The CSS property to change the border of an element to XYZ 37.4686, 39.3165, 79.0128 is called "border". The border property can be set on classes, ids or directly on the HTML element.

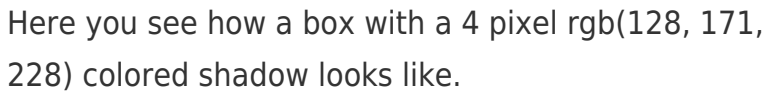
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 171, 228) }
```


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

```
.border{ border-color:rgb(128, 171, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 171, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 171, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 171, 228); box-shadow:4px 4px 4px 4px rgb(128, 171, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4686, 39.3165, 79.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 228) }
```

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

```
.background{ background-color: rgb(128,  
171, 228) }
```

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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