

Converting Colors

XYZ(35.9980, 36.7207, 77.8376)

Have a look what the booklet for
XYZ(35.9980, 36.7207, 77.8376)
contains.

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Color

**XYZ(35.8930, 36.6090,
77.8475)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA4E3
RGB	127, 164, 227
RGB Percent	50%, 64%, 89%
CMY	0.5019, 0.3569, 0.1098
CMYK	0.44, 0.28, 0.00, 0.11
HSL	218°, 64%, 69%
HSV	218°, 44%, 89%
XYZ	35.8930, 36.6090, 77.8475
YIQ	160.1190, -42.2750, 11.7490

Conversions

Conversions Part 2

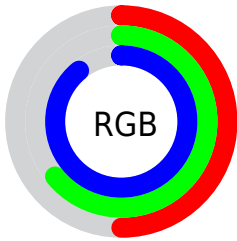
Format	Color
RYB	127, 154, 227
Decimal	8365283
CIELab	66.98, 3.72, -35.76
CIElCh	67, 35.957, 275.940
Yxy	36.6090, 0.2387, 0.2435
Android (android.graphics.Color)	4286555363 (0xFF7FA4E3)
YUV	160.1190, 32.9723, -29.0454
Hunter-Lab	60.5054, 0.0054, -33.9300

Details

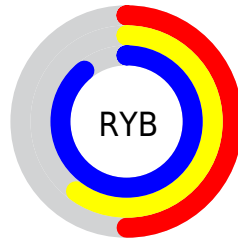
The XYZ color **35.8930, 36.6090, 77.8475** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.9240, 54.6916, 27.7947**, and the grayscale version is **33.3363, 35.0724, 38.1938**.

A 20% lighter version of the original color is **62.9100, 67.9503, 104.4078**, and **15.8543, 16.0901, 40.7982** is the 20% darker color. If you saturate the color by 10%, you get **30.4684, 30.2250, 76.9018**, and if you desaturate by 10%, it is **42.3696, 43.9640, 78.9265**.

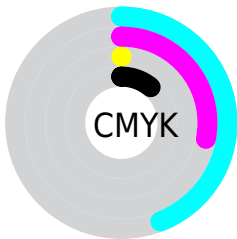
Distribution



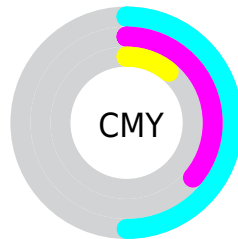
- Red (50%)
- Green (64%)
- Blue (89%)



- Red (50%)
- Yellow (60%)
- Blue (89%)



- Cyan (44%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8930, 36.6090, 77.8475 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 35.8930, 36.6090, 77.8475 by changing the saturation by 10% instead.

■ 35.8930, 36.6090,
77.8475

■ 35.8930, 36.6090,
77.8475

319.9320,
331.6146, 507.1630

■ 24.5213, 24.9049,
57.4330

■ 68.1918, 69.9710,
132.1190

■ 15.8476, 16.0062,
40.9413

■ 89.8497, 92.3977,
166.8132

■ 9.5065, 9.5286,
27.9539

■ 115.6669,
119.1674, 207.1042

■ 5.1328, 5.0875,
18.0522

146.0090,
150.6645, 253.4108

■ 2.3609, 2.2987,
10.8176

181.2411,
187.2734, 306.1515

■ 0.8256, 0.7730,
5.8317

221.7288,

■ 0.0000, 0.0000,

229.3784, 365.7447

2.6759

267.8373,
277.3640, 432.6090

■ 0.0000, 0.0000,
0.9313

■ 0.0000, 0.0000,
0.0000

■ 35.8930, 36.6090,
77.8475

■ 35.8930, 36.6090,
77.8475

■ 30.4684, 30.2250,
76.9018

■ 42.3696, 43.9640,
78.9265

■ 26.0306, 24.7621,
76.0813

■ 49.9503, 52.3282,
80.1414

■ 22.5126, 20.1718,
75.3807

■ 58.6882, 61.7424,
81.4980

■ 19.8366, 16.3982,
74.7934

■ 68.6317, 72.2440,
83.0009

■ 17.9091, 13.3762,
74.3117

■ 79.8263, 83.8682,
84.6546

■ 17.0347, 11.8851,
74.0699

■ 89.2318, 95.0592,
86.3189

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



30.6904, 36.6090, 74.0823



35.8930, 36.6090, 77.8475



41.3254, 36.6090, 69.4800

Triad

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



35.8930, 36.6090, 77.8475



44.0021, 36.6090, 24.6957



26.0664, 36.6090, 28.8209

Complementary

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



35.8930, 36.6090, 77.8475



53.9240, 54.6916, 27.7947

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.



28.9929, 36.6090, 20.1440



35.8930, 36.6090, 77.8475



39.2518, 36.6090, 18.2346

Square

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



35.8930, 36.6090, 77.8475



46.3115, 36.6090, 36.8312



33.7211, 36.6090, 16.8185



25.3672, 36.6090, 43.0525

Rectangle

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



35.8930, 36.6090, 77.8475



44.2334, 36.6090, 59.1731



33.7211, 36.6090, 16.8185



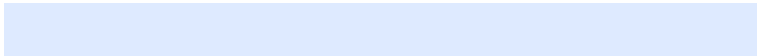
26.8062, 36.6090, 25.2872

Sweetspot

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



35.8943, 36.6104, 77.8484



77.5839, 81.6372, 106.2762



45.3718, 63.1108, 57.7462



16.0295, 16.8587, 22.6592



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.



35.8943, 36.6104, 77.8484



40.1224, 39.8974, 100.1940



32.0478, 26.1867, 76.0391



14.0174, 14.7562, 18.2538



10.0370, 7.1360, 43.2316



0.8282, 0.7004, 3.2235

Inverse Universe

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



45.9699, 34.1914, 39.2999



55.1804, 37.5537, 42.2985



59.4231, 70.9689, 30.6467



14.5964, 14.4557, 16.0749



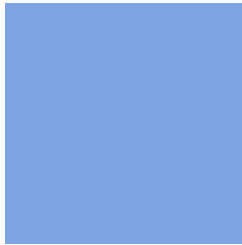
19.4597, 9.9181, 6.0498



1.4817, 0.7504, 0.6770

Previews

White Background



This preview shows how the XYZ color 35.8930, 36.6090, 77.8475 looks on a white background.

Color Contrast Check

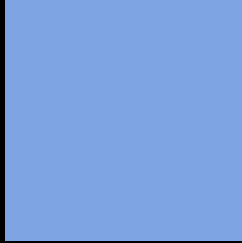
Large Text (above 18pt) WCAG AA × Fail

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 35.8930, 36.6090, 77.8475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

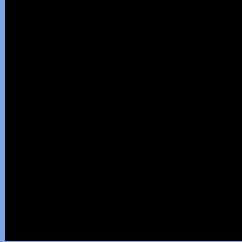
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8930, 36.6090, 77.8475

Background



This preview shows how black text looks on a background with the XYZ color 35.8930, 36.6090, 77.8475.



This preview shows how white text looks on a background with the XYZ color 35.8930, 36.6090,

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

35.8930, 36.6090, 77.8475

Protanopia

37.3530, 36.3631, 75.5711

Deuteranopia

37.5637, 36.6666, 78.4963



Tritanopia

30.6857, 36.6951, 51.9199

Trichromacy



Original Color

35.8930, 36.6090, 77.8475

Protanomaly

36.6520, 36.2443, 76.2983

Deuteranomaly

36.9156, 36.5930, 78.5163

Tritanomaly

32.3383, 36.5149, 60.6020

Monochromacy



Original Color

35.8930, 36.6090, 77.8475

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.6093, 35.2463, 50.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8930, 36.6090, 77.8475 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(127, 164, 227)` looks like.

```
.text, #text, p{  
    color:rgb(127, 164, 227)  
}
```

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(127, 164, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 164, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.8930, 36.6090, 77.8475 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(127, 164, 227) }
```


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

```
.border{ border-color:rgb(127, 164, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 164, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 164, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 164, 227); box-shadow:4px 4px 4px 4px rgb(127, 164, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8930, 36.6090, 77.8475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 164, 227) }
```

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

```
.background{ background-color: rgb(127,  
164, 227) }
```

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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