

Converting Colors

XYZ(30.4401, 36.8610, 71.8412)

Have a look what the booklet for
XYZ(30.4401, 36.8610, 71.8412)
contains.

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Color

**XYZ(30.5106, 37.0240,
71.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	46AFDA
RGB	70, 175, 218
RGB Percent	27%, 69%, 85%
CMY	0.7255, 0.3137, 0.1451
CMYK	0.68, 0.20, 0.00, 0.15
HSL	197°, 67%, 56%
HSV	197°, 68%, 85%
XYZ	30.5106, 37.0240, 71.8679
YIQ	148.5070, -76.3830, -8.8870

Conversions

Conversions Part 2

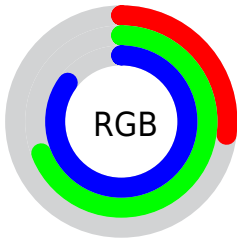
Format	Color
RYB	70, 131, 218
Decimal	4632538
CIELab	67.30, -16.68, -30.52
CIElCh	67, 34.783, 241.349
Yxy	37.0240, 0.2189, 0.2656
Android (android.graphics.Color)	4282822618 (0xFF46AFDA)
YUV	148.5070, 34.2600, -68.8506
Hunter-Lab	60.8473, -16.9779, -27.4353

Details

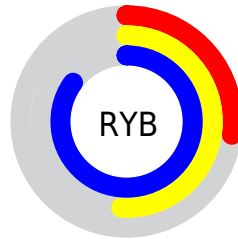
The XYZ color **30.5106, 37.0240, 71.8679** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **35.9254, 27.1596, 9.1445**, and the grayscale version is **28.2456, 29.7166, 32.3614**.

A 20% lighter version of the original color is **56.4574, 69.4402, 105.0354**, and **13.5704, 16.5634, 37.1322** is the 20% darker color. If you saturate the color by 10%, you get **28.0102, 33.9482, 71.4067**, and if you desaturate by 10%, it is **33.6419, 40.5122, 72.3769**.

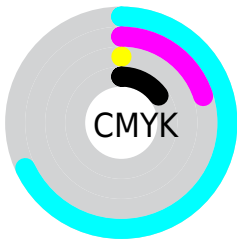
Distribution



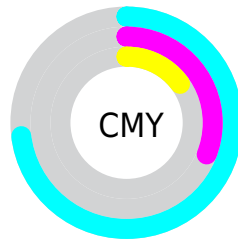
- Red (27%)
- Green (69%)
- Blue (85%)



- Red (27%)
- Yellow (51%)
- Blue (85%)



- Cyan (68%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)



- Cyan (73%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5106, 37.0240, 71.8679 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 30.5106, 37.0240, 71.8679 by changing the saturation by 10% instead.

■ 30.5106, 37.0240,
71.8679

■ 30.5106, 37.0240,
71.8679

296.1446,
333.4144, 486.0469

■ 20.3765, 25.2261,
52.5646

■ 59.8498, 70.6097,
123.5747

■ 12.7788, 16.2456,
37.0700

■ 79.7856, 93.1663,
156.8152

■ 7.3524, 9.6981,
24.9655

■ 103.7194,
120.0778, 195.5386

■ 3.7317, 5.1992,
15.8325

■ 132.0164,
151.7288, 240.1634

■ 1.5515, 2.3646,
9.2527

165.0421,
188.5035, 291.1080

■ 0.3605, 0.8076,
4.8073

203.1618,

■ 0.0000, 0.0000,

230.7864, 348.7911

2.0779

246.7408,
278.9619, 413.6312

■ 0.0000, 0.0000,
0.6026

■ 0.0000, 0.0000,
0.0000

■ 30.5106, 37.0240,
71.8679

■ 30.5106, 37.0240,
71.8679

■ 28.0102, 33.9482,
71.4067

■ 33.6419, 40.5122,
72.3769

■ 26.0709, 31.2458,
70.9873

■ 37.4565, 44.4389,
72.9338

■ 24.6013, 28.8690,
70.6060

■ 42.0053, 48.8323,
73.5420

■ 24.3202, 28.3924,
70.5288

■ 47.3330, 53.7164,
74.2039

■ 53.4808, 59.1136,
74.9217

■ 60.4867, 65.0445,
75.6972

■ 68.3863, 71.5284,
76.5324

■ 77.2130, 78.5837,
77.4290

■ 82.7538, 84.0395,
78.1900

Harmonies

Analogous

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



27.1584, 37.0240, 57.5524



30.5106, 37.0240, 71.8679



35.4315, 37.0240, 77.2585

Triad

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



30.5106, 37.0240, 71.8679



46.4373, 37.0240, 39.6272



30.1330, 37.0240, 20.1152

Complementary

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



30.5106, 37.0240, 71.8679



35.9254, 27.1596, 9.1445

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.



34.9500, 37.0240, 17.5479



30.5106, 37.0240, 71.8679



44.6673, 37.0240, 26.9136

Square

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



30.5106, 37.0240, 71.8679



44.9502, 37.0240, 56.0512



40.3254, 37.0240, 19.6845



26.9563, 37.0240, 27.8363

Rectangle

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



30.5106, 37.0240, 71.8679



39.0464, 37.0240, 74.2108



40.3254, 37.0240, 19.6845



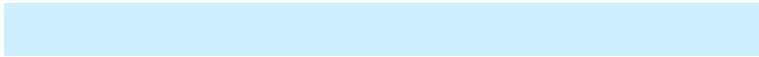
31.5966, 37.0240, 18.7230

Sweetspot

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



30.5119, 37.0253, 71.8688



74.1656, 82.4849, 106.6200



30.5193, 52.6142, 23.8586



15.3330, 17.1821, 22.7583



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.



30.5119, 37.0253, 71.8688



38.8027, 46.8842, 101.6122



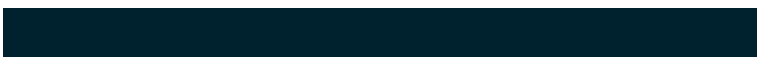
19.9400, 15.8815, 68.3448



13.1087, 14.1571, 16.6938



14.6670, 17.2034, 42.2860



1.0230, 1.2601, 2.7638

Inverse Universe

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



38.8425, 22.3822, 42.8317



52.1644, 27.3505, 54.1525



47.5649, 50.4387, 13.0244



13.4447, 13.2070, 15.6032



20.8986, 10.3605, 19.6436



1.3907, 0.6859, 1.4661

Previews

White Background



This preview shows how the XYZ color 30.5106, 37.0240, 71.8679 looks on a white background.

Color Contrast Check

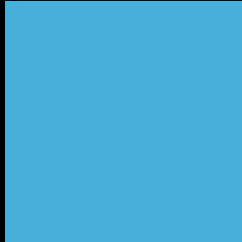
Large Text (above 18pt) WCAG AA × Fail

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 30.5106, 37.0240, 71.8679 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 30.5106, 37.0240, 71.8679

Background



This preview shows how black text looks on a background with the XYZ color 30.5106, 37.0240, 71.8679.



This preview shows how white text looks on a background with the XYZ color 30.5106, 37.0240,

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

30.5106, 37.0240, 71.8679

Protanopia

36.8925, 36.6231, 64.7990

Deuteranopia

37.4731, 36.7299, 73.5212



Tritanopia

27.4333, 36.9475, 56.7246

Trichromacy



Original Color

30.5106, 37.0240, 71.8679

Protanomaly

33.5459, 36.1635, 67.4995

Deuteranomaly

34.0257, 36.2913, 72.9217

Tritanomaly

28.5634, 37.1132, 62.1580

Monochromacy



Original Color

30.5106, 37.0240, 71.8679

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.6126, 31.5028, 44.6697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5106, 37.0240, 71.8679 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(70, 175, 218)` looks like.

```
.text, #text, p{  
    color:rgb(70, 175, 218)  
}
```

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(70, 175, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 175, 218) }
```

Border

The CSS property to change the border of an element to XYZ 30.5106, 37.0240, 71.8679 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(70, 175, 218) }
```


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

```
.border{ border-color:rgb(70, 175, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 175, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 175, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 175, 218);  
box-shadow:4px 4px 4px 4px rgb(70, 175,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5106, 37.0240, 71.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 175, 218) }
```

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

```
.background{ background-color: rgb(70, 175,  
218) }
```

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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