

Converting Colors

XYZ(32.4630, 38.6277, 71.3906)

Have a look what the booklet for
XYZ(32.4630, 38.6277, 71.3906)
contains.

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Color

**XYZ(32.4630, 38.6277,
71.3906)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB1D9
RGB	90, 177, 217
RGB Percent	35%, 69%, 85%
CMY	0.6470, 0.3059, 0.1490
CMYK	0.59, 0.18, 0.00, 0.15
HSL	199°, 63%, 60%
HSV	199°, 59%, 85%
XYZ	32.4630, 38.6277, 71.3906
YIQ	155.5470, -64.6920, -6.0040

Conversions

Conversions Part 2

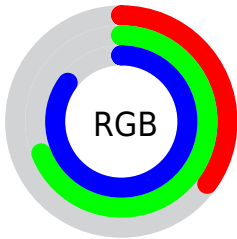
Format	Color
RYB	90, 142, 217
Decimal	5943769
CIELab	68.48, -14.64, -28.09
CIElCh	68, 31.677, 242.481
Yxy	38.6277, 0.2278, 0.2711
Android (android.graphics.Color)	4284133849 (0xFF5AB1D9)
YUV	155.5470, 30.2963, -57.4847
Hunter-Lab	62.1512, -15.5299, -24.5982

Details

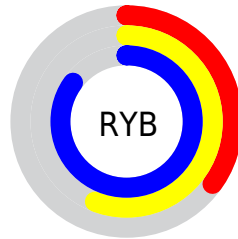
The XYZ color **32.4630, 38.6277, 71.3906** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.4447, 31.4568, 13.7199**, and the grayscale version is **31.2898, 32.9193, 35.8491**.

A 20% lighter version of the original color is **59.5833, 71.8874, 105.3430**, and **13.8294, 17.0756, 36.7494** is the 20% darker color. If you saturate the color by 10%, you get **29.3361, 35.0622, 70.8679**, and if you desaturate by 10%, it is **36.2761, 42.6488, 71.9665**.

Distribution



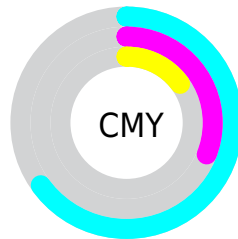
- Red (35%)
- Green (69%)
- Blue (85%)



- Red (35%)
- Yellow (56%)
- Blue (85%)



- Cyan (59%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4630, 38.6277, 71.3906 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 32.4630, 38.6277, 71.3906 by changing the saturation by 10% instead.

■ 32.4630, 38.6277,
71.3906

■ 32.4630, 38.6277,
71.3906

304.9309,
340.3050, 484.3381

■ 21.8726, 26.4702,
52.1772

■ 62.8965, 73.0692,
122.8894

■ 13.8794, 17.1757,
36.7631

■ 83.4704, 96.1221,
156.0119

■ 8.1180, 10.3599,
24.7298

■ 108.1029,
123.5755, 194.6078

■ 4.2230, 5.6382,
15.6587

■ 137.1592,
155.8139, 239.0957

■ 1.8290, 2.6264,
9.1312

171.0049,
193.2216, 289.8942

■ 0.5351, 0.9399,
4.7289

210.0051,

■ 0.0000, 0.0000,

236.1831, 347.4217

2.0331

254.5254,
285.0828, 412.0968

■ 0.0000, 0.0000,
0.5755

■ 0.0000, 0.0000,
0.0000

■ 32.4630, 38.6277,
71.3906

■ 32.4630, 38.6277,
71.3906

■ 29.3361, 35.0622,
70.8679

■ 36.2761, 42.6488,
71.9665

■ 26.8352, 31.9177,
70.3928

■ 40.8211, 47.1483,
72.5954

■ 24.8954, 29.1598,
69.9627

■ 46.1442, 52.1520,
73.2807

■ 23.4174, 26.7360,
69.5728

■ 52.2862, 57.6826,
74.0245

■ 23.2173, 26.3953,
69.5175

■ 59.2853, 63.7608,
74.8288

■ 67.1768, 70.4063,
75.6956

■ 75.9942, 77.6377,
76.6267

■ 82.5313, 83.8033,
77.4722

■ 84.4893, 87.7193,
78.1249

Harmonies

Analogous

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



29.2104, 38.6277, 58.5834



32.4630, 38.6277, 71.3906



37.1308, 38.6277, 75.8620

Triad

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



32.4630, 38.6277, 71.3906



47.1430, 38.6277, 40.8822



31.8056, 38.6277, 22.8979

Complementary

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



32.4630, 38.6277, 71.3906



38.4447, 31.4568, 13.7199

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.



36.3012, 38.6277, 20.1692



32.4630, 38.6277, 71.3906



45.4047, 38.6277, 28.9767

Square

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



32.4630, 38.6277, 71.3906



45.8844, 38.6277, 56.0543



41.3218, 38.6277, 22.1149



28.8557, 38.6277, 30.6117

Rectangle

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



32.4630, 38.6277, 71.3906



40.5015, 38.6277, 72.8508



41.3218, 38.6277, 22.1149



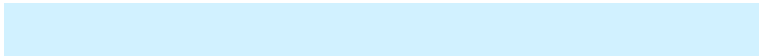
33.1712, 38.6277, 21.4575

Sweetspot

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



32.4643, 38.6291, 71.3915



75.6930, 83.4304, 106.7220



32.9334, 53.3616, 29.0224



15.6154, 17.3376, 22.7734



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.



32.4643, 38.6291, 71.3915



41.4430, 49.5223, 101.9822



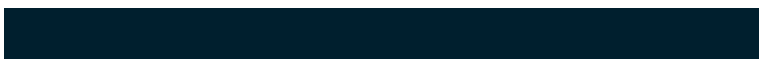
22.9187, 19.5380, 68.2097



13.0810, 14.1017, 16.6846



14.1529, 16.1753, 42.1146



0.9928, 1.1998, 2.7537

Inverse Universe

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



40.2084, 25.2398, 44.3489



54.1422, 30.6113, 56.9534



49.2238, 53.0150, 17.3129



13.4307, 13.2014, 15.5295



20.6391, 10.2567, 18.2772



1.3754, 0.6798, 1.3859

Previews

White Background



This preview shows how the XYZ color 32.4630, 38.6277, 71.3906 looks on a white background.

Color Contrast Check

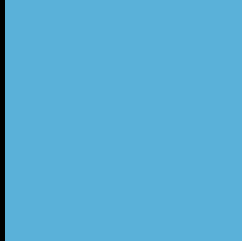
Large Text (above 18pt) WCAG AA × Fail

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 32.4630, 38.6277, 71.3906 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 32.4630, 38.6277, 71.3906

Background



This preview shows how black text looks on a background with the XYZ color 32.4630, 38.6277, 71.3906.



This preview shows how white text looks on a background with the XYZ color 32.4630, 38.6277,

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

32.4630, 38.6277, 71.3906

Protanopia

38.1782, 38.0735, 65.0112

Deuteranopia

39.1523, 38.1340, 73.0072



Tritanopia

29.7675, 38.7372, 57.5379

Trichromacy



Original Color

32.4630, 38.6277, 71.3906

Protanomaly

35.3059, 37.9044, 67.0835

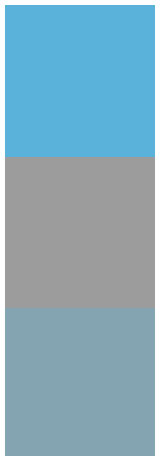
Deuteranomaly

35.9947, 37.8656, 72.4295

Tritanomaly

30.7569, 38.8391, 62.3756

Monochromacy



Original Color

32.4630, 38.6277, 71.3906

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8271, 34.6708, 47.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4630, 38.6277, 71.3906 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(90, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(90, 177, 217)  
}
```

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(90, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 177, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.4630, 38.6277, 71.3906 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(90, 177, 217) }
```


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

```
.border{ border-color:rgb(90, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(90, 177,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4630, 38.6277, 71.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 177, 217) }
```

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

```
.background{ background-color: rgb(90, 177,  
217) }
```

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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