

Converting Colors

XYZ(31.3402, 37.1429, 74.0485)

Have a look what the booklet for
XYZ(31.3402, 37.1429, 74.0485)
contains.

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Color

**XYZ(31.3291, 37.1123,
73.9188)**

Conversions

Conversions Part 1

Format	Color
Hex	4EAEDD
RGB	78, 174, 221
RGB Percent	31%, 68%, 87%
CMY	0.6941, 0.3176, 0.1333
CMYK	0.65, 0.21, 0.00, 0.13
HSL	200°, 68%, 59%
HSV	200°, 65%, 87%
XYZ	31.3291, 37.1123, 73.9188
YIQ	150.6540, -72.3030, -5.7350

Conversions

Conversions Part 2

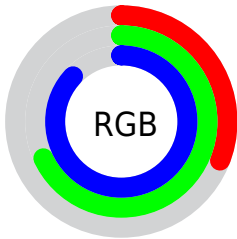
Format	Color
RYB	78, 135, 221
Decimal	5156573
CIELab	67.36, -13.93, -32.05
CIELCh	67, 34.946, 246.512
Yxy	37.1123, 0.2201, 0.2607
Android (android.graphics.Color)	4283346653 (0xFF4EAEDD)
YUV	150.6540, 34.6806, -63.7176
Hunter-Lab	60.9199, -14.8130, -29.2973

Details

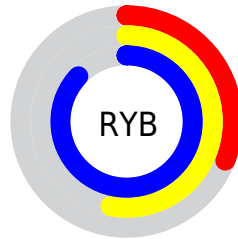
The XYZ color **31.3291, 37.1123, 73.9188** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.5290, 30.5914, 11.0833**, and the grayscale version is **29.1479, 30.6659, 33.3952**.

A 20% lighter version of the original color is **56.8845, 68.8341, 104.8959**, and **13.8425, 16.6722, 38.5649** is the 20% darker color. If you saturate the color by 10%, you get **28.4479, 33.6004, 73.3935**, and if you desaturate by 10%, it is **34.8969, 41.0922, 74.4997**.

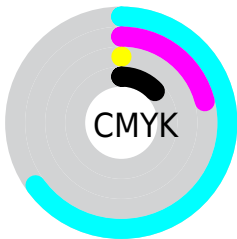
Distribution



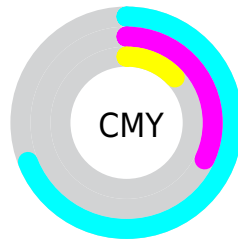
- Red (31%)
- Green (68%)
- Blue (87%)



- Red (31%)
- Yellow (53%)
- Blue (87%)



- Cyan (65%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (69%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3291, 37.1123, 73.9188 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 31.3291, 37.1123, 73.9188 by changing the saturation by 10% instead.

■ 31.3291, 37.1123,
73.9188

■ 31.3291, 37.1123,
73.9188

299.8515,
333.7965, 493.3490

■ 21.0026, 25.2945,
54.2312

■ 61.1302, 70.7455,
126.5137

■ 13.2384, 16.2966,
38.3921

■ 81.3355, 93.3296,
160.2580

■ 7.6710, 9.7343,
25.9830

■ 105.5644,
120.2712, 199.5250

■ 3.9352, 5.2231,
16.5852

■ 134.1824,
151.9548, 244.7333

■ 1.6655, 2.3788,
9.7804

167.5547,
188.7647, 296.3012

■ 0.4346, 0.8149,
5.1499

206.0468,

■ 0.0000, 0.0000,

231.0854, 354.6475

2.2752

250.0239,
279.3012, 420.1905

■ 0.0000, 0.0000,
0.7173

■ 0.0000, 0.0000,
0.0000

■ 31.3291, 37.1123,
73.9188

■ 31.3291, 37.1123,
73.9188

■ 28.4479, 33.6004,
73.3935

■ 34.8969, 41.0922,
74.4997

■ 26.1846, 30.5173,
72.9177

■ 39.2035, 45.5667,
75.1364

■ 24.4614, 27.8216,
72.4882

■ 44.3003, 50.5646,
75.8324

■ 23.6982, 26.5144,
72.2761

■ 50.2325, 56.1109,
76.5903

■ 57.0419, 62.2287,
77.4123

■ 64.7673, 68.9397,
78.3004

■ 73.4450, 76.2641,
79.2568

■ 83.1094, 84.2211,
80.2833

■ 85.2682, 88.4343,
80.9828

Harmonies

Analogous

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



27.6319, 37.1123, 60.6062



31.3291, 37.1123, 73.9188



36.4543, 37.1123, 77.3387

Triad

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



31.3291, 37.1123, 73.9188



46.5197, 37.1123, 37.1575



29.4980, 37.1123, 21.0466

Complementary

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



31.3291, 37.1123, 73.9188



38.5290, 30.5914, 11.0833

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.



34.1197, 37.1123, 17.6285



31.3291, 37.1123, 73.9188



44.2096, 37.1123, 25.2861

Square

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



31.3291, 37.1123, 73.9188



45.5804, 37.1123, 53.3320



39.5372, 37.1123, 18.9559



26.6518, 37.1123, 29.7629

Rectangle

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



31.3291, 37.1123, 73.9188



40.0707, 37.1123, 72.9400



39.5372, 37.1123, 18.9559



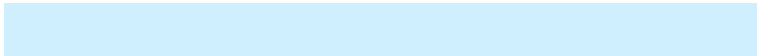
30.8765, 37.1123, 19.3555

Sweetspot

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



31.3304, 37.1136, 73.9197



74.5452, 82.1979, 106.5446



32.5926, 54.7708, 27.6880



15.3815, 17.0761, 22.7353



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.



31.3304, 37.1136, 73.9197



38.0190, 44.7288, 101.2374



21.1667, 16.7862, 70.5318



13.0655, 14.0707, 16.6794



13.8741, 15.6175, 42.0216



0.9763, 1.1667, 2.7482

Inverse Universe

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



40.1843, 23.8783, 42.5367



51.9125, 27.7994, 51.1309



50.6617, 54.8567, 15.1275



13.4229, 13.1983, 15.4883



20.4983, 10.2004, 17.5360



1.3671, 0.6765, 1.3420

Previews

White Background



This preview shows how the XYZ color 31.3291, 37.1123, 73.9188 looks on a white background.

Color Contrast Check

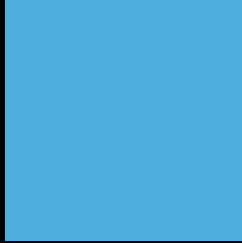
Large Text (above 18pt) WCAG AA × Fail

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 31.3291, 37.1123, 73.9188 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

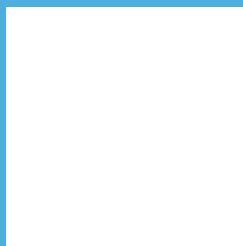
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3291, 37.1123, 73.9188

Background



This preview shows how black text looks on a background with the XYZ color 31.3291, 37.1123, 73.9188.

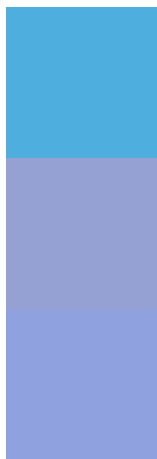


This preview shows how white text looks on a background with the XYZ color 31.3291, 37.1123,

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

31.3291, 37.1123, 73.9188

Protanopia

37.0804, 36.6769, 66.7530

Deuteranopia

37.7010, 36.8008, 75.6372



Tritanopia

27.7956, 37.1472, 56.1572

Trichromacy



Original Color

31.3291, 37.1123, 73.9188

Protanomaly

34.2141, 36.4638, 69.5249

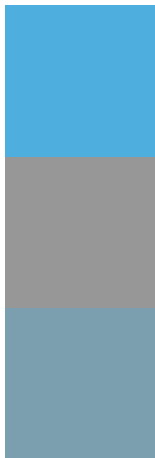
Deuteranomaly

34.7012, 36.5932, 75.0463

Tritanomaly

28.8855, 36.9850, 62.1163

Monochromacy



Original Color

31.3291, 37.1123, 73.9188

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5468, 32.2159, 45.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3291, 37.1123, 73.9188 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(78, 174, 221)` looks like.

```
.text, #text, p{  
    color:rgb(78, 174, 221)  
}
```

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(78, 174, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 174, 221) }
```

Border

The CSS property to change the border of an element to XYZ 31.3291, 37.1123, 73.9188 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(78, 174, 221) }
```


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

```
.border{ border-color:rgb(78, 174, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 174, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 174, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 174, 221);  
box-shadow:4px 4px 4px 4px rgb(78, 174,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3291, 37.1123, 73.9188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 174, 221) }
```

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

```
.background{ background-color: rgb(78, 174,  
221) }
```

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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