

Converting Colors

XYZ(31.6602, 37.0279, 72.4963)

Have a look what the booklet for
XYZ(31.6602, 37.0279, 72.4963)
contains.

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Color

**XYZ(31.6602, 37.0279,
72.4963)**

Conversions

Conversions Part 1

Format	Color
Hex	57ADDB
RGB	87, 173, 219
RGB Percent	34%, 68%, 86%
CMY	0.6588, 0.3216, 0.1412
CMYK	0.60, 0.21, 0.00, 0.14
HSL	201°, 65%, 60%
HSV	201°, 60%, 86%
XYZ	31.6602, 37.0279, 72.4963
YIQ	152.5300, -66.0220, -3.9260

Conversions

Conversions Part 2

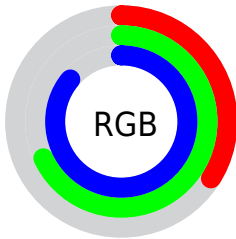
Format	Color
RYB	87, 139, 219
Decimal	5746139
CIELab	67.30, -12.44, -31.02
CIELCh	67, 33.427, 248.146
Yxy	37.0279, 0.2242, 0.2623
Android (android.graphics.Color)	4283936219 (0xFF57ADDB)
YUV	152.5300, 32.7697, -57.4698
Hunter-Lab	60.8506, -13.6159, -28.0417

Details

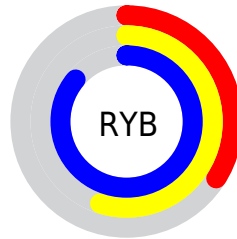
The XYZ color **31.6602, 37.0279, 72.4963** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **39.3224, 32.5247, 13.2235**, and the grayscale version is **29.9584, 31.5186, 34.3238**.

A 20% lighter version of the original color is **57.8260, 68.9098, 104.8609**, and **13.5382, 16.3551, 37.5653** is the 20% darker color. If you saturate the color by 10%, you get **28.4954, 33.2862, 71.9416**, and if you desaturate by 10%, it is **35.5311, 41.2591, 73.1097**.

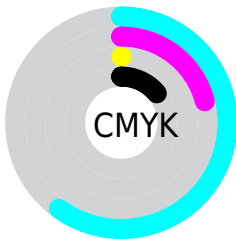
Distribution



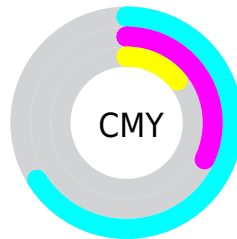
- Red (34%)
- Green (68%)
- Blue (86%)



- Red (34%)
- Yellow (55%)
- Blue (86%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (32%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6602, 37.0279, 72.4963 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 31.6602, 37.0279, 72.4963 by changing the saturation by 10% instead.

■ 31.6602, 37.0279,
72.4963

■ 31.6602, 37.0279,
72.4963

301.3413,
333.4313, 488.2911

■ 21.2564, 25.2291,
53.0749

■ 61.6468, 70.6157,
124.4762

■ 13.4251, 16.2478,
37.4744

■ 81.9603, 93.1735,
157.8717

■ 7.8009, 9.6997,
25.2764

■ 106.3077,
120.0864, 196.7623

■ 4.0185, 5.2003,
16.0622

■ 135.0544,
151.7388, 241.5666

■ 1.7126, 2.3653,
9.4133

168.5658,
188.5151, 292.7031

■ 0.4642, 0.8079,
4.9113

207.2072,

■ 0.0000, 0.0000,

230.7996, 350.5903

2.1375

251.3439,
278.9769, 415.6468

■ 0.0000, 0.0000,
0.6379

■ 0.0000, 0.0000,
0.0000

■ 31.6602, 37.0279,
72.4963

■ 31.6602, 37.0279,
72.4963

■ 28.4954, 33.2862,
71.9416

■ 35.5311, 41.2591,
73.1097

■ 25.9736, 29.9973,
71.4397

■ 40.1566, 46.0048,
73.7819

■ 24.0255, 27.1242,
70.9878

■ 45.5848, 51.2923,
74.5164

■ 22.5612, 24.6642,
70.5902

■ 51.8587, 57.1457,
75.3156

■ 59.0178, 63.5874,
76.1816

■ 67.0993, 70.6383,
77.1166

■ 76.1380, 78.3181,
78.1226

■ 83.4656, 85.2530,
79.0750

■ 85.6861, 89.6941,
79.8151

Harmonies

Analogous

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



28.0156, 37.0279, 60.3249



31.6602, 37.0279, 72.4963



36.6052, 37.0279, 75.0984

Triad

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



31.6602, 37.0279, 72.4963



45.8488, 37.0279, 36.4583



29.4649, 37.0279, 21.9828

Complementary

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



31.6602, 37.0279, 72.4963



39.3224, 32.5247, 13.2235

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.



33.8194, 37.0279, 18.3772



31.6602, 37.0279, 72.4963



43.5042, 37.0279, 25.3088

Square

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



31.6602, 37.0279, 72.4963



45.1282, 37.0279, 51.7305



38.9812, 37.0279, 19.4266



26.8363, 37.0279, 30.7195

Rectangle

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



31.6602, 37.0279, 72.4963



40.0374, 37.0279, 70.5825



38.9812, 37.0279, 19.4266



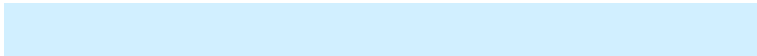
30.7577, 37.0279, 20.2403

Sweetspot

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



31.6615, 37.0292, 72.4972



75.2406, 82.5256, 106.5712



33.3599, 54.3289, 30.2026



15.5044, 17.1156, 22.7364



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.



31.6615, 37.0292, 72.4972



39.3127, 45.8443, 101.3846



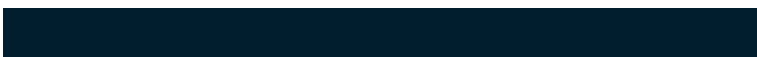
22.1866, 18.0794, 69.3389



13.0431, 14.0259, 16.6720



13.4837, 14.8368, 41.8915



0.9530, 1.1202, 2.7404

Inverse Universe

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



40.1655, 24.8948, 42.2248



52.9247, 29.5799, 52.2207



50.9010, 55.6818, 17.0830



13.4116, 13.1937, 15.4288



20.3013, 10.1215, 16.4984



1.3553, 0.6718, 1.2801

Previews

White Background



This preview shows how the XYZ color 31.6602, 37.0279, 72.4963 looks on a white background.

Color Contrast Check

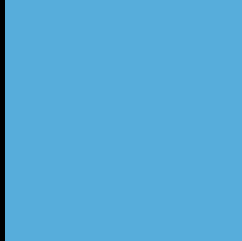
Large Text (above 18pt) WCAG AA × Fail

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 31.6602, 37.0279, 72.4963 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

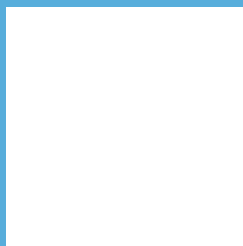
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6602, 37.0279, 72.4963

Background



This preview shows how black text looks on a background with the XYZ color 31.6602, 37.0279, 72.4963.

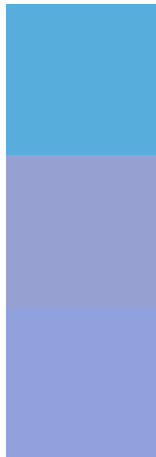


This preview shows how white text looks on a background with the XYZ color 31.6602, 37.0279,

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

31.6602, 37.0279, 72.4963

Protanopia

36.9554, 36.6269, 66.0947

Deuteranopia

37.6067, 36.7834, 74.2251



Tritanopia

28.3365, 37.1424, 55.5449

Trichromacy



Original Color

31.6602, 37.0279, 72.4963

Protanomaly

34.2178, 36.2264, 68.1397

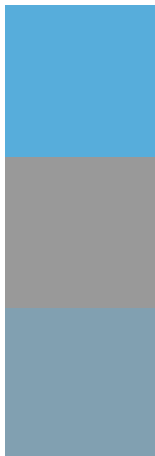
Deuteranomaly

34.8185, 36.4158, 73.6004

Tritanomaly

29.4105, 36.9772, 61.4643

Monochromacy



Original Color

31.6602, 37.0279, 72.4963

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.5599, 32.9831, 46.4034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6602, 37.0279, 72.4963 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(87, 173, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 173, 219)  
}
```

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(87, 173, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 173, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.6602, 37.0279, 72.4963 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(87, 173, 219) }
```


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

```
.border{ border-color:rgb(87, 173, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 173, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 173, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 173, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 173,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6602, 37.0279, 72.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 173, 219) }
```

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

```
.background{ background-color: rgb(87, 173,  
219) }
```

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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