

Converting Colors

XYZ(31.5617, 39.0222, 72.8864)

Have a look what the booklet for
XYZ(31.5617, 39.0222, 72.8864)
contains.

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Color

**XYZ(31.5617, 39.0222,
72.8864)**

Conversions

Conversions Part 1

Format	Color
Hex	45B4DB
RGB	69, 180, 219
RGB Percent	27%, 71%, 86%
CMY	0.7294, 0.2941, 0.1412
CMYK	0.68, 0.18, 0.00, 0.14
HSL	196°, 68%, 56%
HSV	196°, 68%, 86%
XYZ	31.5617, 39.0222, 72.8864
YIQ	151.2570, -78.6750, -11.4030

Conversions

Conversions Part 2

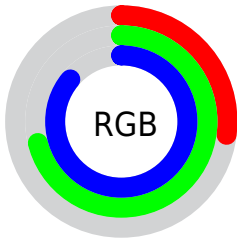
Format	Color
R_{YB}	69, 133, 219
Decimal	4568283
CIE _{Lab}	68.77, -19.14, -28.80
CIE _{LCh}	69, 34.581, 236.401
Yxy	39.0222, 0.2200, 0.2720
Android (android.graphics.Color)	4282758363 (0xFF45B4DB)
YUV	151.2570, 33.3973, -72.1394
Hunter-Lab	62.4678, -19.1318, -25.4512

Details

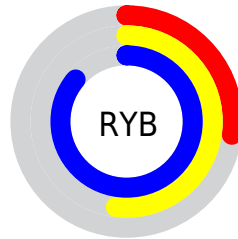
The XYZ color **31.5617, 39.0222, 72.8864** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **35.6516, 26.2169, 8.8131**, and the grayscale version is **29.4126, 30.9444, 33.6984**.

A 20% lighter version of the original color is **57.8770, 72.2792, 105.5086**, and **14.2902, 17.8591, 37.8159** is the 20% darker color. If you saturate the color by 10%, you get **29.1594, 36.1128, 72.4522**, and if you desaturate by 10%, it is **34.5869, 42.3242, 73.3651**.

Distribution



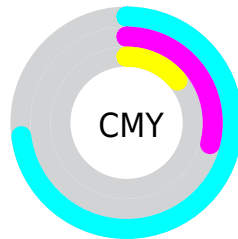
- Red (27%)
- Green (71%)
- Blue (86%)



- Red (27%)
- Yellow (52%)
- Blue (86%)



- Cyan (68%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (73%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5617, 39.0222, 72.8864 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 31.5617, 39.0222, 72.8864 by changing the saturation by 10% instead.

■ 31.5617, 39.0222,
72.8864

■ 31.5617, 39.0222,
72.8864

300.8987,
341.9849, 489.6812

■ 21.1809, 26.7770,
53.3918

■ 61.4932, 73.6722,
125.0353

■ 13.3695, 17.4058,
37.7258

■ 81.7745, 96.8459,
158.5268

■ 7.7622, 10.5242,
25.4698

■ 106.0868,
124.4311, 197.5210

■ 3.9937, 5.7479,
16.2052

■ 134.7953,
156.8123, 242.4364

■ 1.6986, 2.6924,
9.5135

168.2653,
194.3739, 293.6915

■ 0.4554, 0.9733,
4.9763

206.8624,

■ 0.0000, 0.0000,

237.5002, 351.7051

2.1748

250.9517,
286.5758, 416.8954

■ 0.0000, 0.0000,
0.6598

■ 0.0000, 0.0000,
0.0000

■ 31.5617, 39.0222,
72.8864

■ 31.5617, 39.0222,
72.8864

■ 29.1594, 36.1128,
72.4522

■ 34.5869, 42.3242,
73.3651

■ 27.3087, 33.5565,
72.0563

■ 38.2881, 46.0449,
73.8882

■ 25.9107, 31.3019,
71.6948

■ 42.7169, 50.2125,
74.4591

■ 25.7172, 30.9762,
71.6422

■ 47.9188, 54.8510,
75.0803

■ 53.9351, 59.9828,
75.7538

■ 60.8044, 65.6283,
76.4814

■ 68.5625, 71.8069,
77.2651

■ 77.2433, 78.5366,
78.1065

■ 82.6722, 83.6663,
78.8105

Harmonies

Analogous

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



28.4338, 39.0222, 57.3600



31.5617, 39.0222, 72.8864



36.4323, 39.0222, 80.2572

Triad

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



31.5617, 39.0222, 72.8864



48.6238, 39.0222, 44.4099



32.6010, 39.0222, 20.7948

Complementary

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



31.5617, 39.0222, 72.8864



35.6516, 26.2169, 8.8131

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.



37.7544, 39.0222, 18.9365



31.5617, 39.0222, 72.8864



47.3444, 39.0222, 30.4391

Square

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



31.5617, 39.0222, 72.8864



46.5708, 39.0222, 61.4591



43.2276, 39.0222, 21.9928



28.9911, 39.0222, 27.8886

Rectangle

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



31.5617, 39.0222, 72.8864



40.1432, 39.0222, 78.4858



43.2276, 39.0222, 21.9928



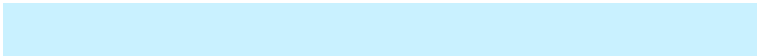
34.1946, 39.0222, 19.6260

Sweetspot

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



31.5630, 39.0236, 72.8874



73.7366, 82.6560, 106.6756



30.4147, 52.9804, 22.3976



15.2701, 17.2561, 22.7759



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.



31.5630, 39.0236, 72.8874



39.9734, 49.4008, 102.0362



20.4477, 16.7931, 69.1823



13.1435, 14.2267, 16.7054



15.3419, 18.5533, 42.5109



1.0622, 1.3386, 2.7768

Inverse Universe

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



39.5809, 22.6130, 45.4599



52.7126, 27.4060, 57.5438



46.9146, 48.7428, 12.5674



13.4623, 13.2140, 15.6956



21.2392, 10.4967, 21.4376



1.4105, 0.6938, 1.5704

Previews

White Background



This preview shows how the XYZ color 31.5617, 39.0222, 72.8864 looks on a white background.

Color Contrast Check

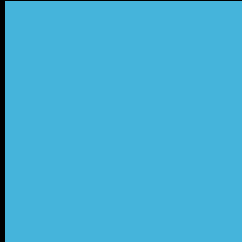
Large Text (above 18pt) WCAG AA × Fail

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 31.5617, 39.0222, 72.8864 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 31.5617, 39.0222, 72.8864

Background



This preview shows how black text looks on a background with the XYZ color 31.5617, 39.0222, 72.8864.



This preview shows how white text looks on a background with the XYZ color 31.5617, 39.0222,

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

31.5617, 39.0222, 72.8864

Protanopia

38.5506, 38.5323, 65.0801

Deuteranopia

39.5436, 38.5540, 75.1695



Tritanopia

28.9644, 39.1989, 59.4656

Trichromacy



Original Color

31.5617, 39.0222, 72.8864

Protanomaly

34.5706, 37.7880, 67.7591

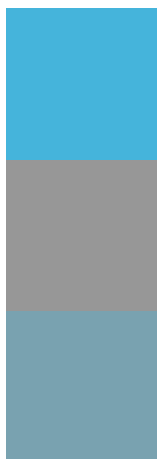
Deuteranomaly

35.5856, 38.1610, 74.5975

Tritanomaly

29.9985, 39.3153, 64.4000

Monochromacy



Original Color

31.5617, 39.0222, 72.8864

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6420, 33.0402, 45.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5617, 39.0222, 72.8864 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(69, 180, 219)` looks like.

```
.text, #text, p{  
    color:rgb(69, 180, 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(69, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 180, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.5617, 39.0222, 72.8864 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(69, 180, 219) }
```


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

```
.border{ border-color:rgb(69, 180, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 180, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(69, 180,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5617, 39.0222, 72.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 180, 219) }
```

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

```
.background{ background-color: rgb(69, 180,  
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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