

Converting Colors

XYZ(31.0720, 36.2024, 83.1920)

Have a look what the booklet for
XYZ(31.0720, 36.2024, 83.1920)
contains.

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Color

**XYZ(31.0720, 36.2024,
83.1920)**

Conversions

Conversions Part 1

Format	Color
Hex	35ACEA
RGB	53, 172, 234
RGB Percent	21%, 67%, 92%
CMY	0.7921, 0.3255, 0.0823
CMYK	0.77, 0.26, 0.00, 0.08
HSL	201°, 81%, 56%
HSV	201°, 77%, 92%
XYZ	31.0720, 36.2024, 83.1920
YIQ	143.4870, -90.8260, -5.9460

Conversions

Conversions Part 2

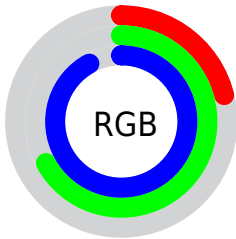
Format	Color
R _{YB}	53, 125, 234
Decimal	3517674
CIE Lab	66.67, -11.91, -40.30
CIE LCh	67, 42.022, 253.529
Yxy	36.2024, 0.2065, 0.2406
Android (android.graphics.Color)	4281707754 (0xFF35ACEA)
YUV	143.4870, 44.6229, -79.3571
Hunter-Lab	60.1684, -13.1143, -39.8595

Details

The XYZ color **31.0720, 36.2024, 83.1920** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **40.7073, 30.0145, 7.0179**, and the grayscale version is **26.1583, 27.5206, 29.9699**.

A 20% lighter version of the original color is **53.9765, 66.5181, 104.6022**, and **14.7524, 16.6473, 44.5552** is the 20% darker color. If you saturate the color by 10%, you get **28.6486, 32.7567, 82.6554**, and if you desaturate by 10%, it is **34.1899, 40.1439, 83.7892**.

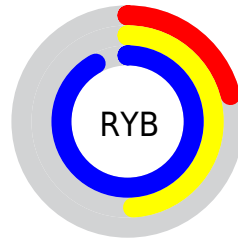
Distribution



Red (21%)

Green (67%)

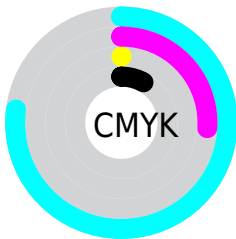
Blue (92%)



Red (21%)

Yellow (49%)

Blue (92%)

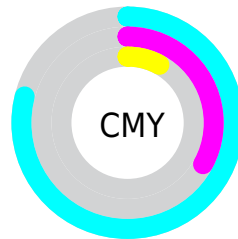


Cyan (77%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (79%)

Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0720, 36.2024, 83.1920 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 31.0720, 36.2024, 83.1920 by changing the saturation by 10% instead.

■ 31.0720, 36.2024,
83.1920

■ 31.0720, 36.2024,
83.1920

■ 298.6908,
329.8443, 525.6139

■ 20.8058, 24.5906,
61.8070

■ 60.7285, 69.3444,
139.6960

■ 13.0938, 15.7723,
44.4420

■ 80.8494, 91.6432,
175.6521

■ 7.5706, 9.3631,
30.6784

■ 104.9860,
118.2733, 217.3023

■ 3.8709, 4.9788,
20.0977

■ 133.5036,
149.6188, 265.0651

■ 1.6294, 2.2348,
12.2813

■ 166.7675,
186.0643, 319.3592

■ 0.4114, 0.7389,
6.8107

205.1431,

■ 0.0000, 0.0000,

227.9942, 380.6030

3.2673

248.9958,
275.7927, 449.2150

■ 0.0000, 0.0000,
1.2327

■ 0.0000, 0.0000,
0.0057

■ 31.0720, 36.2024,
83.1920

■ 31.0720, 36.2024,
83.1920

■ 28.6486, 32.7567,
82.6554

■ 34.1899, 40.1439,
83.7892

■ 26.8126, 29.7475,
82.1713

■ 38.0770, 44.6203,
84.4484

■ 26.3808, 28.9993,
82.0497

■ 42.8019, 49.6698,
85.1740

■ 48.4238, 55.3252,
85.9693

■ 54.9963, 61.6163,
86.8372

■ 62.5688, 68.5706,
87.7804

■ 71.1868, 76.2136,
88.8014

■ 80.8929, 84.5694,
89.9027

■ 88.4861, 91.9898,
90.9347

Harmonies

Analogous

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



26.3167, 36.2024, 68.6336



31.0720, 36.2024, 83.1920



37.3363, 36.2024, 83.9566

Triad

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



31.0720, 36.2024, 83.1920



47.6532, 36.2024, 31.8122



26.6880, 36.2024, 19.1598

Complementary

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



31.0720, 36.2024, 83.1920



40.7073, 30.0145, 7.0179

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.



31.6395, 36.2024, 14.3103



31.0720, 36.2024, 83.1920



44.0111, 36.2024, 19.9530

Square

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



31.0720, 36.2024, 83.1920



47.4525, 36.2024, 50.1521



37.9774, 36.2024, 14.5474



24.0062, 36.2024, 30.3369

Rectangle

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



31.0720, 36.2024, 83.1920



41.5806, 36.2024, 76.2067



37.9774, 36.2024, 14.5474



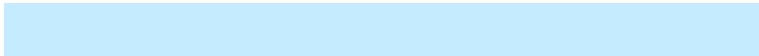
28.1139, 36.2024, 16.9137

Sweetspot

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



31.0733, 36.2036, 83.1929



70.5883, 78.3671, 106.0137



33.8921, 60.8035, 25.6744



14.4187, 16.1337, 22.6041



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.



31.0733, 36.2036, 83.1929



33.3866, 37.5270, 100.0915



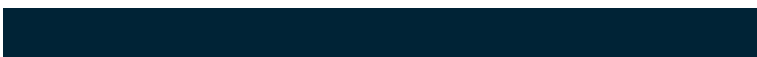
19.4274, 12.9119, 79.3110



15.0580, 16.2025, 19.2560



14.9459, 16.5388, 46.1475



1.2624, 1.4763, 3.6533

Inverse Universe

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



42.6524, 23.0188, 41.2257



49.0706, 24.7344, 42.1103



56.1290, 60.8579, 12.1584



15.4829, 15.2210, 17.8280



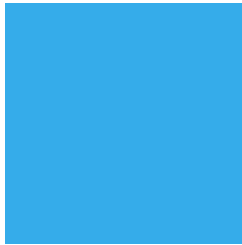
22.3993, 11.1624, 18.4359



1.8037, 0.8945, 1.6838

Previews

White Background



This preview shows how the XYZ color 31.0720, 36.2024, 83.1920 looks on a white background.

Color Contrast Check

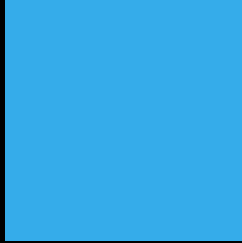
Large Text (above 18pt) WCAG AA × Fail

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 31.0720, 36.2024, 83.1920 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

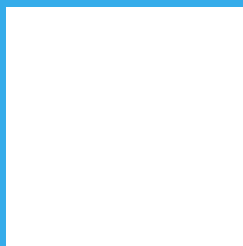
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0720, 36.2024, 83.1920

Background



This preview shows how black text looks on a background with the XYZ color 31.0720, 36.2024, 83.1920.

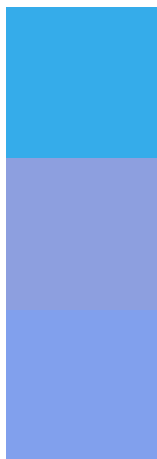


This preview shows how white text looks on a background with the XYZ color 31.0720, 36.2024,

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

31.0720, 36.2024, 83.1920

Protanopia

36.7019, 35.7867, 74.7852

Deuteranopia

36.9101, 35.9232, 85.1093



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

31.0720, 36.2024, 83.1920

Protanomaly

33.4473, 35.3482, 77.7331

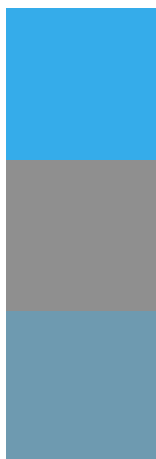
Deuteranomaly

33.7826, 35.3737, 84.4042

Tritanomaly

27.1791, 35.7432, 65.1411

Monochromacy



Original Color

31.0720, 36.2024, 83.1920

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.8225, 29.5608, 45.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0720, 36.2024, 83.1920 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(53, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(53, 172, 234)  
}
```

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(53, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 172, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.0720, 36.2024, 83.1920 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(53, 172, 234) }
```


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

```
.border{ border-color:rgb(53, 172, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(53, 172,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0720, 36.2024, 83.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 172, 234) }
```

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

```
.background{ background-color: rgb(53, 172,  
234) }
```

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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