

Converting Colors

XYZ(31.9910, 38.0490, 88.7937)

Have a look what the booklet for
XYZ(31.9910, 38.0490, 88.7937)
contains.

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Color

**XYZ(31.9760, 37.9893,
88.8665)**

Conversions

Conversions Part 1

Format	Color
Hex	18B1F1
RGB	24, 177, 241
RGB Percent	9%, 69%, 95%
CMY	0.9057, 0.3059, 0.0549
CMYK	0.90, 0.27, 0.00, 0.05
HSL	198°, 89%, 52%
HSV	198°, 90%, 95%
XYZ	31.9760, 37.9893, 88.8665
YIQ	138.5490, -111.7320, -12.5320

Conversions

Conversions Part 2

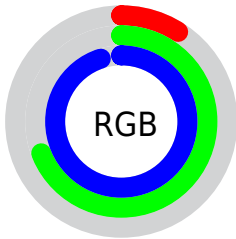
Format	Color
R _Y B	24, 114, 241
Decimal	1618417
CIE Lab	68.01, -14.38, -42.06
CIE LCh	68, 44.445, 251.129
Yxy	37.9893, 0.2013, 0.2392
Android (android.graphics.Color)	4279808497 (0xFF18B1F1)
YUV	138.5490, 50.5083, -100.4595
Hunter-Lab	61.6355, -15.2576, -42.3400

Details

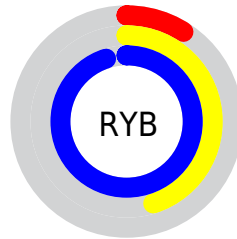
The XYZ color **31.9760, 37.9893, 88.8665** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **39.9338, 25.7522, 3.7320**, and the grayscale version is **24.2151, 25.4761, 27.7435**.

A 20% lighter version of the original color is **54.1283, 69.0752, 105.0877**, and **16.0906, 18.1700, 48.5580** is the 20% darker color. If you saturate the color by 10%, you get **30.2356, 35.0674, 88.3950**, and if you desaturate by 10%, it is **34.2662, 41.3096, 89.3875**.

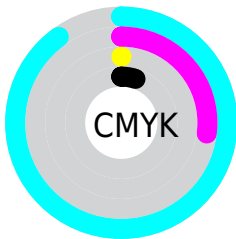
Distribution



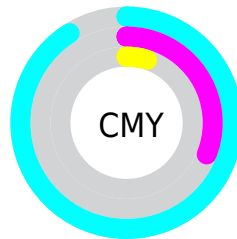
- Red (9%)
- Green (69%)
- Blue (95%)



- Red (9%)
- Yellow (45%)
- Blue (95%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (91%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9760, 37.9893, 88.8665 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 31.9760, 37.9893, 88.8665 by changing the saturation by 10% instead.

■ 31.9760, 37.9893,
88.8665

■ 31.9760, 37.9893,
88.8665

302.7571,
337.5741, 544.8114

■ 21.4986, 25.9744,
66.4725

■ 62.1389, 72.0917,
147.6846

■ 13.6035, 16.8045,
48.1972

■ 82.5552, 94.9480,
184.9459

■ 7.9253, 10.0952,
33.6220

■ 107.0151,
122.1869, 227.9999

■ 4.0986, 5.4621,
22.3283

■ 135.8840,
154.1928, 277.2653

■ 1.7580, 2.5209,
13.8977

■ 169.5273,
191.3501, 333.1606

■ 0.4922, 0.8871,
7.9116

208.3104,

■ 0.0000, 0.0000,

234.0431, 396.1044

3.9515

252.5985,
282.6563, 466.5151

■ 0.0000, 0.0000,
1.5988

■ 0.0000, 0.0000,
0.2899

■ 31.9760, 37.9893,
88.8665

■ 31.9760, 37.9893,
88.8665

■ 30.2356, 35.0674,
88.3950

■ 34.2662, 41.3096,
89.3875

■ 37.2462, 45.0952,
89.9611

■ 41.0059, 49.3945,
90.5928

■ 45.6198, 54.2475,
91.2863

■ 51.1530, 59.6892,
92.0450

■ 57.6643, 65.7513,
92.8720

■ 65.2070, 72.4630,
93.7699

■ 73.8306, 79.8509,
94.7414

■ 83.5811, 87.9404,
95.7889

Harmonies

Analogous

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



26.9907, 37.9893, 71.8032



31.9760, 37.9893, 88.8665



38.7351, 37.9893, 91.1004

Triad

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



31.9760, 37.9893, 88.8665



50.7867, 37.9893, 34.4412



28.0498, 37.9893, 18.8017

Complementary

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



31.9760, 37.9893, 88.8665



39.9338, 25.7522, 3.7320

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.



33.6018, 37.9893, 14.1230



31.9760, 37.9893, 88.8665



47.0762, 37.9893, 21.0338

Square

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



31.9760, 37.9893, 88.8665



50.2057, 37.9893, 54.9418



40.5808, 37.9893, 14.7831



24.9318, 37.9893, 30.2304

Rectangle

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



31.9760, 37.9893, 88.8665



43.4261, 37.9893, 83.2674



40.5808, 37.9893, 14.7831



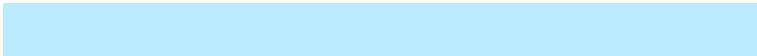
29.6615, 37.9893, 16.5819

Sweetspot

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



31.9774, 37.9906, 88.8675



67.9561, 76.9178, 105.8727



33.4931, 63.7699, 19.2443



13.9499, 15.9250, 22.5885



0.0000, 0.0000, 0.0000



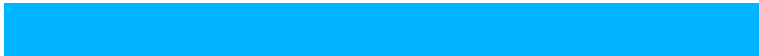
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9774, 37.9906, 88.8675



34.3272, 39.7744, 100.4757



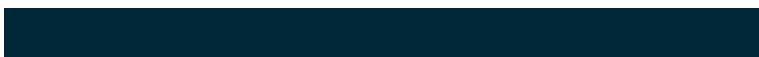
18.5109, 11.0577, 84.3787



15.8307, 17.0956, 20.1870



16.5186, 19.2614, 47.9751



1.4600, 1.7741, 4.0197

Inverse Universe

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



44.5394, 22.5301, 43.5972



49.4560, 24.5464, 45.1948



55.7312, 57.3470, 8.9978



16.2440, 15.9473, 18.8411



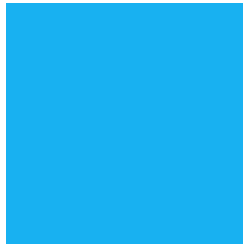
23.6634, 11.7378, 21.9420



2.0119, 0.9938, 2.0535

Previews

White Background



This preview shows how the XYZ color 31.9760, 37.9893, 88.8665 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 31.9760, 37.9893, 88.8665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

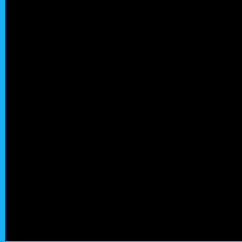
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

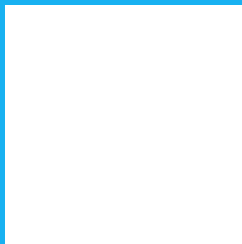
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9760, 37.9893, 88.8665

Background



This preview shows how black text looks on a background with the XYZ color 31.9760, 37.9893, 88.8665.

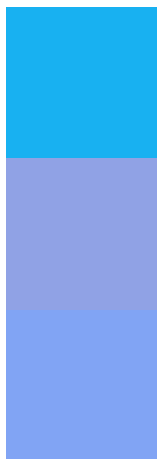


This preview shows how white text looks on a background with the XYZ color 31.9760, 37.9893,

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

31.9760, 37.9893, 88.8665

Protanopia

38.5648, 37.4271, 79.3203

Deuteranopia

38.6579, 37.7497, 90.8369



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



Original Color

31.9760, 37.9893, 88.8665



Protanomaly

33.7822, 36.2300, 82.3034



Deuteranomaly

34.6800, 37.0711, 90.1216



Tritanomaly

28.6468, 37.9099, 68.7583

Monochromacy



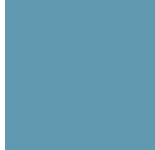
Original Color

31.9760, 37.9893, 88.8665



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.1575, 28.4584, 45.2941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9760, 37.9893, 88.8665 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(24, 177, 241)` looks like.

```
.text, #text, p{  
    color:rgb(24, 177, 241)  
}
```

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(24, 177, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 177, 241) }
```

Border

The CSS property to change the border of an element to XYZ 31.9760, 37.9893, 88.8665 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(24, 177, 241) }
```


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

```
.border{ border-color:rgb(24, 177, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 177, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 177, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 177, 241);  
box-shadow:4px 4px 4px 4px rgb(24, 177,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9760, 37.9893, 88.8665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 177, 241) }
```

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

```
.background{ background-color: rgb(24, 177,  
241) }
```

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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