

Converting Colors

XYZ(31.5777, 38.9838, 83.5140)

Have a look what the booklet for
XYZ(31.5777, 38.9838, 83.5140)
contains.

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Color

**XYZ(31.6844, 39.1477,
83.7282)**

Conversions

Conversions Part 1

Format	Color
Hex	15B5EA
RGB	21, 181, 234
RGB Percent	8%, 71%, 92%
CMY	0.9175, 0.2902, 0.0823
CMYK	0.91, 0.23, 0.00, 0.08
HSL	195°, 84%, 50%
HSV	195°, 91%, 92%
XYZ	31.6844, 39.1477, 83.7282
YIQ	139.2020, -112.3730, -17.4370

Conversions

Conversions Part 2

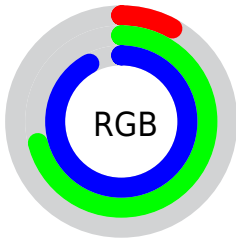
Format	Color
R _Y B	21, 112, 234
Decimal	1422826
CIE Lab	68.86, -19.08, -36.92
CIE LCh	69, 41.563, 242.674
Yxy	39.1477, 0.2050, 0.2533
Android (android.graphics.Color)	4279612906 (0xFF15B5EA)
YUV	139.2020, 46.7354, -103.6632
Hunter-Lab	62.5681, -19.1021, -35.5438

Details

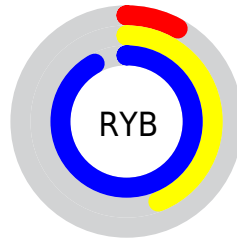
The XYZ color **31.6844, 39.1477, 83.7282** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **36.5188, 22.4491, 3.1196**, and the grayscale version is **24.4796, 25.7544, 28.0466**.

A 20% lighter version of the original color is **55.0163, 71.2331, 105.4574**, and **15.7551, 18.6527, 44.8894** is the 20% darker color. If you saturate the color by 10%, you get **30.3312, 36.9000, 83.3665**, and if you desaturate by 10%, it is **33.6423, 41.9524, 84.1672**.

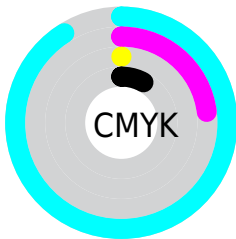
Distribution



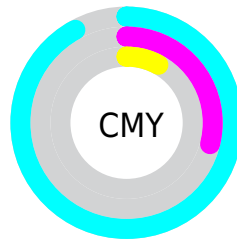
- Red (8%)
- Green (71%)
- Blue (92%)



- Red (8%)
- Yellow (44%)
- Blue (92%)



- Cyan (91%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (92%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6844, 39.1477, 83.7282 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 31.6844, 39.1477, 83.7282 by changing the saturation by 10% instead.

■ 31.6844, 39.1477,
83.7282

■ 31.6844, 39.1477,
83.7282

301.4500,
342.5180, 527.4447

■ 21.2749, 26.8746,
62.2470

■ 61.6845, 73.8639,
140.4532

■ 13.4387, 17.4791,
44.7952

■ 82.0059, 97.0758,
176.5341

■ 7.8104, 10.5767,
30.9544

■ 106.3620,
124.7029, 218.3187

■ 4.0247, 5.7829,
20.3059

■ 135.1181,
157.1294, 266.2253

■ 1.7161, 2.7136,
12.4313

■ 168.6396,
194.7397, 320.6728

■ 0.4663, 0.9841,
6.9121

207.2918,

■ 0.0000, 0.0000,

237.9184, 382.0794

3.3296

251.4402,
287.0497, 450.8639

■ 0.0000, 0.0000,
1.2653

■ 0.0000, 0.0000,
0.0331

■ 31.6844, 39.1477,
83.7282

■ 31.6844, 39.1477,
83.7282

■ 30.3312, 36.9000,
83.3665

■ 33.6423, 41.9524,
84.1672

■ 36.2164, 45.1485,
84.6484

■ 39.4914, 48.7812,
85.1770

■ 43.5371, 52.8872,
85.7563

■ 48.4147, 57.4990,
86.3894

■ 54.1786, 62.6453,
87.0789

■ 60.8787, 68.3528,
87.8274

■ 68.5610, 74.6459,
88.6372

■ 77.2682, 81.5474,
89.5104

Harmonies

Analogous

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



27.5204, 39.1477, 65.3977



31.6844, 39.1477, 83.7282



37.8036, 39.1477, 90.1835

Triad

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



31.6844, 39.1477, 83.7282



51.3717, 39.1477, 40.9529



30.7725, 39.1477, 18.7761

Complementary

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



31.6844, 39.1477, 83.7282



36.5188, 22.4491, 3.1196

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.



36.6201, 39.1477, 15.6612



31.6844, 39.1477, 83.7282



48.9396, 39.1477, 25.8679

Square

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



31.6844, 39.1477, 83.7282



49.6533, 39.1477, 61.5704



43.3405, 39.1477, 17.8121



27.0393, 39.1477, 28.0294

Rectangle

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



31.6844, 39.1477, 83.7282



42.3156, 39.1477, 85.6981



43.3405, 39.1477, 17.8121



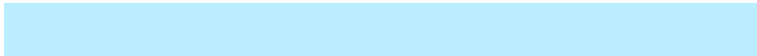
32.5302, 39.1477, 17.1245

Sweetspot

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



31.6858, 39.1490, 83.7292



68.8717, 78.7489, 106.1779



30.8617, 59.4575, 15.7654



14.1677, 16.3607, 22.6612



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.



31.6858, 39.1490, 83.7292



36.7989, 44.7177, 101.2996



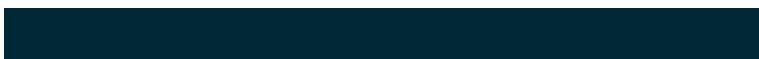
17.8735, 11.5245, 79.1251



15.1818, 16.4500, 19.2973



17.1489, 20.9448, 46.8819



1.4217, 1.7948, 3.7064

Inverse Universe

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



42.5416, 21.3665, 45.5992



50.7036, 25.0454, 51.7645



49.8314, 49.0743, 7.5571



15.5453, 15.2460, 18.1569



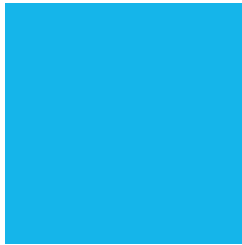
23.5113, 11.6072, 24.2914



1.8841, 0.9266, 2.1070

Previews

White Background



This preview shows how the XYZ color 31.6844, 39.1477, 83.7282 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 31.6844, 39.1477, 83.7282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

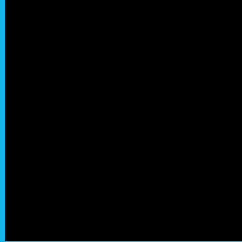
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6844, 39.1477, 83.7282

Background



This preview shows how black text looks on a background with the XYZ color 31.6844, 39.1477, 83.7282.

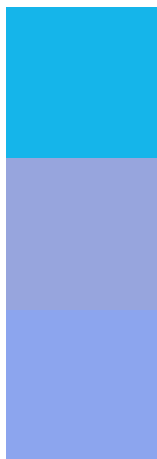


This preview shows how white text looks on a background with the XYZ color 31.6844, 39.1477,

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

31.6844, 39.1477, 83.7282

Protanopia

39.2688, 38.7100, 73.8087

Deuteranopia

39.7030, 38.6588, 86.2582



Tritanopia

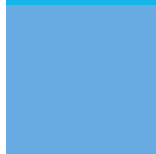
27.7743, 38.8681, 60.6820

Trichromacy



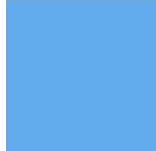
Original Color

31.6844, 39.1477, 83.7282



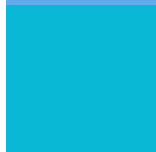
Protanomaly

33.9993, 37.5599, 77.4093



Deuteranomaly

34.7787, 37.7816, 85.5803



Tritanomaly

29.1243, 39.0861, 68.2967

Monochromacy



Original Color

31.6844, 39.1477, 83.7282



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.0195, 28.6540, 44.3092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6844, 39.1477, 83.7282 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(21, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(21, 181, 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(21, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 181, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.6844, 39.1477, 83.7282 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(21, 181, 234) }
```


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

```
.border{ border-color:rgb(21, 181, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 181, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 181, 234);  
box-shadow:4px 4px 4px 4px rgb(21, 181,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6844, 39.1477, 83.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 181, 234) }
```

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

```
.background{ background-color: rgb(21, 181,  
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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