

Converting Colors

XYZ(31.1420, 36.6140, 88.6363)

Have a look what the booklet for
XYZ(31.1420, 36.6140, 88.6363)
contains.

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Color

**XYZ(31.1943, 36.7163,
88.6619)**

Conversions

Conversions Part 1

Format	Color
Hex	0EAEF1
RGB	14, 174, 241
RGB Percent	5%, 68%, 95%
CMY	0.9449, 0.3176, 0.0549
CMYK	0.94, 0.28, 0.00, 0.05
HSL	198°, 89%, 50%
HSV	198°, 94%, 95%
XYZ	31.1943, 36.7163, 88.6619
YIQ	133.7980, -116.8670, -13.0830

Conversions

Conversions Part 2

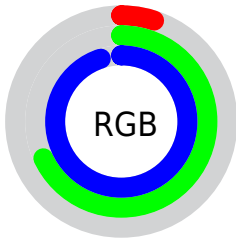
Format	Color
R _Y B	14, 108, 241
Decimal	962289
CIE Lab	67.06, -13.14, -43.55
CIE LCh	67, 45.489, 253.208
Yxy	36.7163, 0.1992, 0.2345
Android (android.graphics.Color)	4279152369 (0xFF0EAEF1)
YUV	133.7980, 52.8506, -105.0628
Hunter-Lab	60.5940, -14.1461, -44.3381

Details

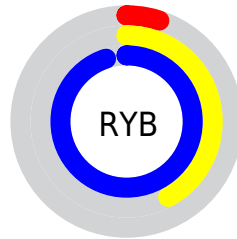
The XYZ color **31.1943, 36.7163, 88.6619** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **39.3019, 24.6254, 3.0991**, and the grayscale version is **22.4351, 23.6035, 25.7042**.

A 20% lighter version of the original color is **52.7514, 66.7034, 104.7025**, and **15.7165, 17.4218, 48.4333** is the 20% darker color. If you saturate the color by 10%, you get **30.2245, 35.0454, 88.3913**, and if you desaturate by 10%, it is **33.2299, 39.8611, 89.1624**.

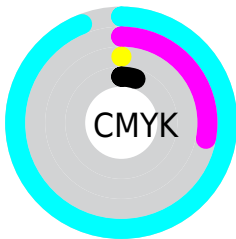
Distribution



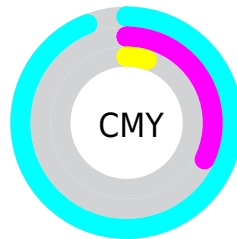
- Red (5%)
- Green (68%)
- Blue (95%)



- Red (5%)
- Yellow (42%)
- Blue (95%)



- Cyan (94%)
- Magenta (28%)
- Yellow (0%)
- Black (5%)



- Cyan (94%)
- Magenta (32%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1943, 36.7163, 88.6619 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 31.1943, 36.7163, 88.6619 by changing the saturation by 10% instead.

■ 31.1943, 36.7163,
88.6619

■ 31.1943, 36.7163,
88.6619

299.2434,
332.0806, 544.1258

■ 20.8994, 24.9879,
66.3039

■ 60.9196, 70.1362,
147.3975

■ 13.1625, 16.0680,
48.0611

■ 81.0807, 92.5966,
184.6123

■ 7.6183, 9.5723,
33.5150

■ 105.2613,
119.4030, 227.6164

■ 3.9015, 5.1163,
22.2469

■ 133.8267,
150.9400, 276.8283

■ 1.6465, 2.3157,
13.8384

■ 167.1422,
187.5918, 332.6667

■ 0.4224, 0.7820,
7.8709

205.5733,

■ 0.0000, 0.0000,

229.7429, 395.5501

3.9258

249.4852,
277.7777, 465.8969

■ 0.0000, 0.0000,
1.5848

■ 0.0000, 0.0000,
0.2799

■ 31.1943, 36.7163,
88.6619

■ 31.1943, 36.7163,
88.6619

■ 30.2245, 35.0454,
88.3913

■ 33.2299, 39.8611,
89.1624

■ 35.9125, 43.4486,
89.7135

■ 39.3404, 47.5317,
90.3209

■ 43.5931, 52.1527,
90.9887

■ 48.7392, 57.3488,
91.7204

■ 54.8399, 63.1527,
92.5192

■ 61.9505, 69.5947,
93.3878

■ 70.1221, 76.7023,
94.3290

■ 79.4020, 84.5015,
95.3453

Harmonies

Analogous

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



26.0728, 36.7163, 72.1419



31.1943, 36.7163, 88.6619



38.0260, 36.7163, 89.7147

Triad

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



31.1943, 36.7163, 88.6619



49.5151, 36.7163, 31.8902



26.5601, 36.7163, 18.1439

Complementary

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



31.1943, 36.7163, 88.6619



39.3019, 24.6254, 3.0991

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.



31.9459, 36.7163, 13.1773



31.1943, 36.7163, 88.6619



45.5183, 36.7163, 19.1572

Square

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



31.1943, 36.7163, 88.6619



49.2437, 36.7163, 52.0240



38.8833, 36.7163, 13.4737



23.6496, 36.7163, 29.9514

Rectangle

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



31.1943, 36.7163, 88.6619



42.7013, 36.7163, 81.0717



38.8833, 36.7163, 13.4737



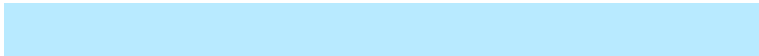
28.1080, 36.7163, 15.8248

Sweetspot

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



31.1957, 36.7175, 88.6628



67.1219, 76.1619, 105.7708



33.0254, 63.5601, 17.8023



13.6299, 15.6308, 22.5486



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.



31.1957, 36.7175, 88.6628



34.3147, 39.7494, 100.4716



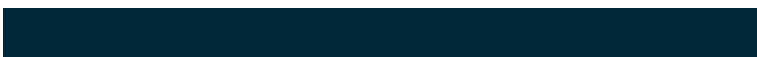
17.8492, 10.0247, 84.2140



15.8304, 17.0949, 20.1869



16.5126, 19.2495, 47.9731



1.4596, 1.7731, 4.0195

Inverse Universe

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



44.0739, 22.0725, 41.9828



49.4497, 24.5439, 45.1615



55.1676, 56.3569, 8.3877



16.2438, 15.9472, 18.8402



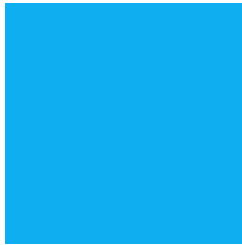
23.6604, 11.7366, 21.9262



2.0117, 0.9937, 2.0523

Previews

White Background



This preview shows how the XYZ color 31.1943, 36.7163, 88.6619 looks on a white background.

Color Contrast Check

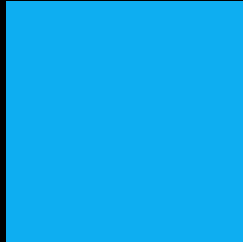
Large Text (above 18pt) WCAG AA × Fail

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 31.1943, 36.7163, 88.6619 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

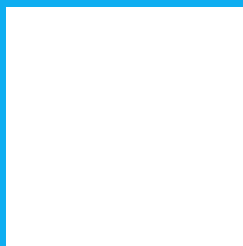
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1943, 36.7163, 88.6619

Background



This preview shows how black text looks on a background with the XYZ color 31.1943, 36.7163, 88.6619.



This preview shows how white text looks on a background with the XYZ color 31.1943, 36.7163,

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

31.1943, 36.7163, 88.6619

Protanopia

37.5289, 36.3742, 79.1717

Deuteranopia

37.3862, 36.3065, 90.6253



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

31.1943, 36.7163, 88.6619

Protanomaly

32.7792, 35.1731, 82.1522

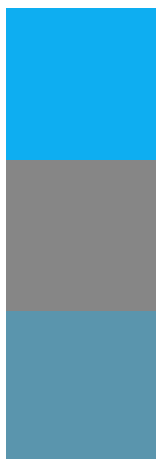
Deuteranomaly

33.4700, 35.6283, 89.9069

Tritanomaly

27.7409, 36.5762, 67.2258

Monochromacy



Original Color

31.1943, 36.7163, 88.6619

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5067, 26.6857, 43.4998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1943, 36.7163, 88.6619 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(14, 174, 241)` looks like.

```
.text, #text, p{  
    color:rgb(14, 174, 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(14, 174, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 174, 241) }
```

Border

The CSS property to change the border of an element to XYZ 31.1943, 36.7163, 88.6619 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(14, 174, 241) }
```


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

```
.border{ border-color:rgb(14, 174, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 174, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 174, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 174, 241);  
box-shadow:4px 4px 4px 4px rgb(14, 174,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1943, 36.7163, 88.6619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 174, 241) }
```

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

```
.background{ background-color: rgb(14, 174,  
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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