

Converting Colors

XYZ(18.6098, 30.5107, 87.4064)

Have a look what the booklet for
XYZ(18.6098, 30.5107, 87.4064)
contains.

XYZ(31.0581, 36.9512, 87.9334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0581, 36.9512,
87.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFF0
RGB	0, 175, 240
RGB Percent	0%, 69%, 94%
CMY	0.9998, 0.3137, 0.0588
CMYK	1.00, 0.27, 0.00, 0.06
HSL	196°, 100%, 47%
HSV	196°, 100%, 94%
XYZ	31.0581, 36.9512, 87.9334
YIQ	130.0850, -125.1650, -16.8850

Conversions

Conversions Part 2

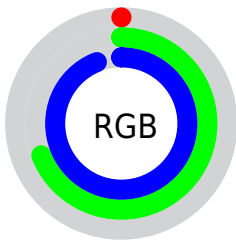
Format	Color
RYB	0, 101, 240
Decimal	45040
CIELab	67.24, -14.41, -42.73
CIELCh	67, 45.094, 251.369
Yxy	36.9512, 0.1992, 0.2370
Android (android.graphics.Color)	4278235120 (0xFF00AFF0)
YUV	130.0850, 54.1881, -114.0845
Hunter-Lab	60.7875, -15.1773, -43.2159

Details

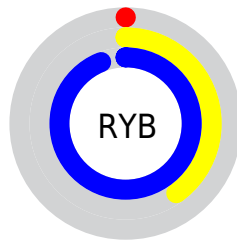
The XYZ color **31.0581, 36.9512, 87.9334** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **37.8297, 22.3132, 2.3148**, and the grayscale version is **21.1013, 22.2003, 24.1761**.

A 20% lighter version of the original color is **52.6535, 67.0648, 104.7774**, and **15.7347, 17.6266, 47.9204** is the 20% darker color. If you saturate the color by 10%, you get **31.0554, 36.9454, 87.9332**, and if you desaturate by 10%, it is **32.7329, 39.7392, 88.3840**.

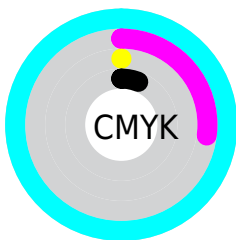
Distribution



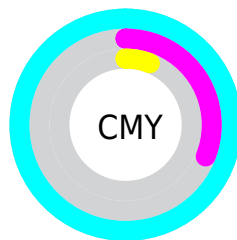
- Red (0%)
- Green (69%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (31%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0581, 36.9512, 87.9334 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 31.0581, 36.9512, 87.9334 by changing the saturation by 10% instead.

31.0581, 36.9512,
87.9334

31.0581, 36.9512,
87.9334

298.6280,
333.0992, 541.6808

20.7951, 25.1697,
65.7039

60.7068, 70.4977,
146.3748

13.0859, 16.2035,
47.5771

80.8232, 93.0315,
183.4237

7.5652, 9.6683,
33.1345

104.9547,
119.9183, 226.2495

3.8674, 5.1796,
21.9575

133.4669,
151.5423, 275.2707

1.6274, 2.3530,
13.6277

166.7249,
188.2880, 330.9059

0.4102, 0.8016,
7.7264

205.0942,

0.0000, 0.0000,

230.5398, 393.5737

3.8351

248.9401,
278.6821, 463.6924

■ 0.0000, 0.0000,
1.5353

■ 0.0000, 0.0000,
0.2440

■ 31.0581, 36.9512,
87.9334

■ 31.0581, 36.9512,
87.9334

■ 31.0554, 36.9454,
87.9332

■ 32.7329, 39.7392,
88.3840

■ 34.9345, 42.8899,
88.8761

■ 37.8103, 46.4810,
89.4177

■ 41.4474, 50.5587,
90.0131

■ 45.9194, 55.1621,
90.6659

■ 51.2904, 60.3253,
91.3795

■ 57.6183, 66.0793,
92.1566

■ 64.9557, 72.4523,
93.0000

■ 73.3513, 79.4705,
93.9121

Harmonies

Analogous

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



26.0910, 36.9512, 70.8640



31.0581, 36.9512, 87.9334



37.7967, 36.9512, 90.0437

Triad

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



31.0581, 36.9512, 87.9334



49.7689, 36.9512, 33.2109



27.0759, 36.9512, 17.9559

Complementary

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



31.0581, 36.9512, 87.9334



37.8297, 22.3132, 2.3148

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.



32.5747, 36.9512, 13.3299



31.0581, 36.9512, 87.9334



46.0257, 36.9512, 20.0133

Square

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



31.0581, 36.9512, 87.9334



49.2232, 36.9512, 53.6063



39.5236, 36.9512, 13.9341



24.0077, 36.9512, 29.2932

Rectangle

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



31.0581, 36.9512, 87.9334



42.4752, 36.9512, 82.0793



39.5236, 36.9512, 13.9341



28.6688, 36.9512, 15.7625

Sweetspot

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



31.0595, 36.9524, 87.9343



66.0266, 75.7473, 105.7485



32.0879, 62.6918, 15.2669



13.4467, 15.5978, 22.5519



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.



31.0595, 36.9524, 87.9343



35.5922, 42.3044, 100.8974



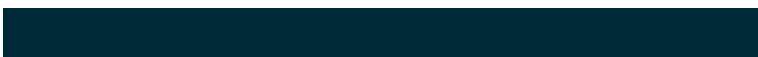
17.1456, 9.1248, 83.2964



15.8642, 17.1624, 20.1982



17.1160, 20.4563, 48.1742



1.5058, 1.8656, 4.0350

Inverse Universe

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



43.6742, 21.6220, 42.4300



50.0945, 24.8018, 48.5572



53.0795, 52.8129, 7.3981



16.2609, 15.9541, 18.9300



23.9650, 11.8584, 23.5300



2.0350, 1.0031, 2.1753

Previews

White Background



This preview shows how the XYZ color 31.0581, 36.9512, 87.9334 looks on a white background.

Color Contrast Check

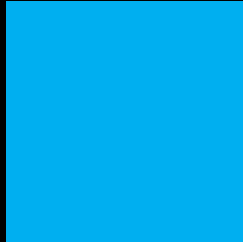
Large Text (above 18pt) WCAG AA × Fail

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 31.0581, 36.9512, 87.9334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

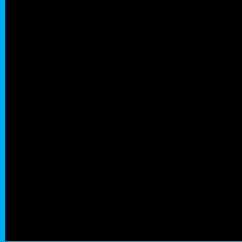
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0581, 36.9512, 87.9334

Background



This preview shows how black text looks on a background with the XYZ color 31.0581, 36.9512, 87.9334.



This preview shows how white text looks on a background with the XYZ color 31.0581, 36.9512,

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

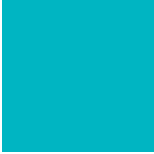
31.0581, 36.9512, 87.9334

Protanopia

37.7297, 36.4938, 78.4542

Deuteranopia

37.7022, 36.7473, 89.8998



Tritanopia

26.2615, 36.9428, 56.7855

Trichromacy



Original Color

31.0581, 36.9512, 87.9334



Protanomaly

32.2371, 34.9101, 81.3832



Deuteranomaly

33.1540, 35.7537, 89.1582



Tritanomaly

27.8780, 36.9433, 67.2895

Monochromacy



Original Color

31.0581, 36.9512, 87.9334



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

21.1019, 25.2990, 41.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0581, 36.9512, 87.9334 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(0, 175, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 240)  
}
```

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(0, 175, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 240) }
```

Border

The CSS property to change the border of an element to XYZ 31.0581, 36.9512, 87.9334 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(0, 175, 240) }
```


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

```
.border{ border-color:rgb(0, 175, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0581, 36.9512, 87.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 240) }
```

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

```
.background{ background-color: rgb(0, 175,  
240) }
```

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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