

Converting Colors

XYZ(31.9804, 44.9089, 91.8432)

Have a look what the booklet for
XYZ(31.9804, 44.9089, 91.8432)
contains.

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Color

**XYZ(36.6011, 47.3179,
91.9982)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7F3
RGB	0, 199, 243
RGB Percent	0%, 78%, 95%
CMY	0.9997, 0.2196, 0.0471
CMYK	1.00, 0.18, 0.00, 0.05
HSL	191°, 100%, 48%
HSV	191°, 100%, 95%
XYZ	36.6011, 47.3179, 91.9982
YIQ	144.5150, -132.7280, -28.5040

Conversions

Conversions Part 2

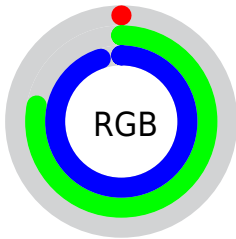
Format	Color
RYB	0, 109, 243
Decimal	51187
CIELab	74.39, -25.86, -33.23
CIELCh	74, 42.103, 232.109
Yxy	47.3179, 0.2081, 0.2690
Android (android.graphics.Color)	4278241267 (0xFF00C7F3)
YUV	144.5150, 48.5531, -126.7397
Hunter-Lab	68.7880, -25.4018, -31.1438

Details

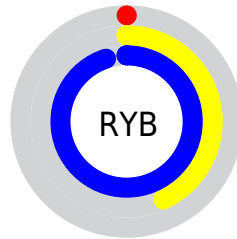
The XYZ color **36.6011, 47.3179, 91.9982** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.8662, 20.8616, 2.0329**, and the grayscale version is **26.5745, 27.9584, 30.4467**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.0950, 23.8387, 50.6086** is the 20% darker color. If you saturate the color by 10%, you get **36.5989, 47.3132, 91.9984**, and if you desaturate by 10%, it is **38.0148, 49.5726, 92.3598**.

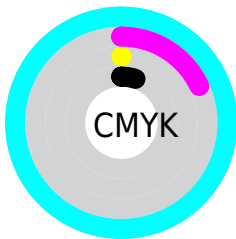
Distribution



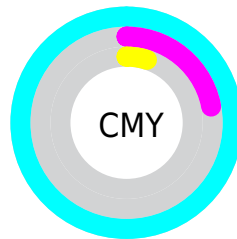
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6011, 47.3179, 91.9982 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 36.6011, 47.3179, 91.9982 by changing the saturation by 10% instead.

36.6011, 47.3179,
91.9982

36.6011, 47.3179,
91.9982

322.9659,
376.0820, 555.2466

25.0710, 33.2870,
69.0561

69.2767, 86.1880,
152.0706

16.2590, 22.3464,
50.2854

91.1529, 111.7959,
190.0379

9.7996, 14.1117,
35.2674

117.2086,
142.0317, 233.8508

5.3276, 8.1984,
23.5837

147.8090,
177.2798, 283.9277

2.4774, 4.2221,
14.8158

183.3196,
217.9244, 340.6872

0.8839, 1.7986,
8.5450

224.1057,

0.0000, 0.4863,

264.3501, 404.5478

4.3529

270.5327,
316.9412, 475.9281

■ 0.0000, 0.0000,
1.8209

■ 0.0000, 0.0000,
0.4417

■ 36.6011, 47.3179,
91.9982

■ 36.6011, 47.3179,
91.9982

■ 36.5989, 47.3132,
91.9984

■ 38.0148, 49.5726,
92.3598

■ 39.9369, 52.1325,
92.7526

■ 42.5183, 55.0764,
93.1848

■ 45.8482, 58.4508,
93.6606

■ 50.0019, 62.2947,
94.1837

■ 55.0451, 66.6424,
94.7570

■ 61.0366, 71.5245,
95.3836

■ 68.0304, 76.9692,
96.0659

■ 76.0759, 83.0024,
96.8064

Harmonies

Analogous

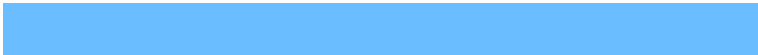
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7738, 47.3179, 68.8887



36.6011, 47.3179, 91.9982



43.0022, 47.3179, 104.9357

Triad

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



36.6011, 47.3179, 91.9982



61.0168, 47.3179, 57.4688



39.7070, 47.3179, 21.7108

Complementary

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



36.6011, 47.3179, 91.9982



37.8662, 20.8616, 2.0329

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.



47.0057, 47.3179, 20.2417



36.6011, 47.3179, 91.9982



59.8793, 47.3179, 37.3494

Square

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



36.6011, 47.3179, 91.9982



57.4894, 47.3179, 81.6555



54.5359, 47.3179, 25.0948



34.4215, 47.3179, 29.8963

Rectangle

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



36.6011, 47.3179, 91.9982



48.1026, 47.3179, 104.0804



54.5359, 47.3179, 25.0948



41.9846, 47.3179, 20.5293

Sweetspot

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



36.6027, 47.3196, 91.9994



68.0232, 79.7405, 106.4140



32.4444, 64.2594, 12.7510



13.9275, 16.5595, 22.7122



0.0000, 0.0000, 0.0000



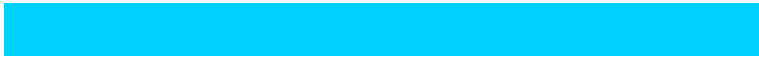
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6027, 47.3196, 91.9994



40.8052, 52.7303, 102.6351



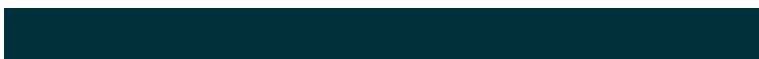
19.1247, 12.3635, 86.1734



16.7265, 18.2174, 21.1773



20.1779, 26.1495, 50.5219



1.8384, 2.4283, 4.4620

Inverse Universe

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



47.2724, 23.1801, 56.0170



52.7258, 25.8543, 62.4132



49.8876, 44.9043, 6.0401



17.0773, 16.7138, 20.1536



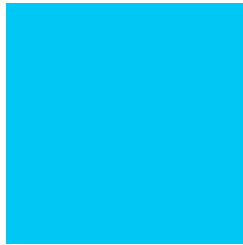
25.9894, 12.7392, 30.9821



2.3170, 1.1328, 2.8958

Previews

White Background



This preview shows how the XYZ color 36.6011, 47.3179, 91.9982 looks on a white background.

Color Contrast Check

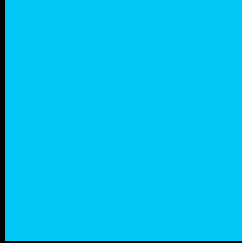
Large Text (above 18pt) WCAG AA × Fail

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 36.6011, 47.3179, 91.9982 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 36.6011, 47.3179, 91.9982

Background



This preview shows how black text looks on a background with the XYZ color 36.6011, 47.3179, 91.9982.

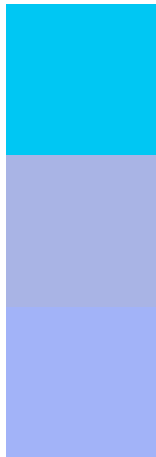


This preview shows how white text looks on a background with the XYZ color 36.6011, 47.3179,

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

36.6011, 47.3179, 91.9982

Protanopia

46.8263, 46.7347, 80.6814

Deuteranopia

47.9637, 46.6989, 95.2928



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



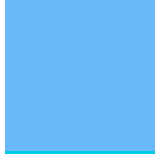
Original Color

36.6011, 47.3179, 91.9982



Protanomaly

38.8059, 44.6693, 84.4186



Deuteranomaly

39.7870, 44.6552, 93.7111



Tritanomaly

34.7518, 47.3193, 79.9750

Monochromacy



Original Color

36.6011, 47.3179, 91.9982



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.2093, 32.5218, 48.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6011, 47.3179, 91.9982 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, 199, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 243)  
}
```

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, 199, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.6011, 47.3179, 91.9982 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, 199, 243) }
```


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

```
.border{ border-color:rgb(0, 199, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6011, 47.3179, 91.9982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 243) }
```

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

```
.background{ background-color: rgb(0, 199,  
243) }
```

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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