

Converting Colors

XYZ(30.2271, 58.1301, 98.9365)

Have a look what the booklet for
XYZ(30.2271, 58.1301, 98.9365)
contains.

XYZ(47.0943, 66.8305, 100.0400)	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(47.0943, 66.8305,
100.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	00ECF9
RGB	0, 236, 249
RGB Percent	0%, 93%, 98%
CMY	0.9997, 0.0745, 0.0235
CMYK	1.00, 0.05, 0.00, 0.02
HSL	183°, 100%, 49%
HSV	183°, 100%, 98%
XYZ	47.0943, 66.8305, 100.0400
YIQ	166.9180, -144.8290, -45.9890

Conversions

Conversions Part 2

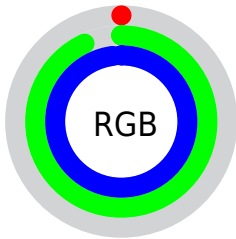
Format	Color
RYB	0, 121, 249
Decimal	60665
CIELab	85.42, -41.50, -19.57
CIELCh	85, 45.880, 205.253
Yxy	66.8305, 0.2201, 0.3123
Android (android.graphics.Color)	4278250745 (0xFF00ECF9)
YUV	166.9180, 40.4664, -146.3871
Hunter-Lab	81.7499, -40.2325, -15.3301

Details

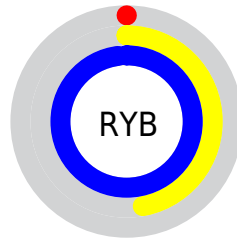
The XYZ color **47.0943, 66.8305, 100.0400** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.2126, 20.4297, 1.8785**, and the grayscale version is **36.5609, 38.4649, 41.8882**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.7457, 36.0905, 56.0613** is the 20% darker color. If you saturate the color by 10%, you get **47.0946, 66.8305, 100.0413**, and if you desaturate by 10%, it is **47.8714, 67.7902, 100.1856**.

Distribution



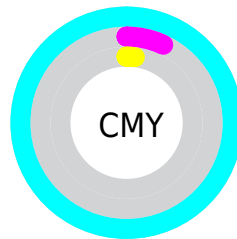
- Red (0%)
- Green (93%)
- Blue (98%)



- Red (0%)
- Yellow (47%)
- Blue (98%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0943, 66.8305, 100.0400 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 47.0943, 66.8305, 100.0400 by changing the saturation by 10% instead.

47.0943, 66.8305,
100.0400

47.0943, 66.8305,
100.0400

365.8334,
449.3412, 581.5687

33.3185, 48.9469,
75.7169

85.0723, 114.6775,
163.2645

22.5309, 34.5774,
55.6951

110.0051,
145.4097, 203.0030

14.3663, 23.3375,
39.5562

139.3876,
181.1935, 248.7170

8.4593, 14.8429,
26.8815

173.5852,
222.4134, 300.8250

4.4445, 8.7092,
17.2526

212.9633,
269.4537, 359.7457

1.9565, 4.5520,
10.2509

257.8871,

0.6094, 1.9869,

322.6988, 425.8975

5.4579

308.7220,
382.5332, 499.6990

■ 0.0000, 0.5998,
2.4549

■ 0.0000, 0.0000,
0.8161

■ 47.0943, 66.8305,
100.0400

■ 47.0943, 66.8305,
100.0400

■ 47.0946, 66.8305,
100.0413

■ 47.8714, 67.7902,
100.1856

■ 49.1585, 69.0156,
100.3542

■ 51.1143, 70.5897,
100.5550

■ 53.8336, 72.5615,
100.7923

■ 57.3959, 74.9719,
101.0698

■ 61.8708, 77.8569,
101.3908

■ 67.3206, 81.2486,
101.7582

■ 73.8023, 85.1763,
102.1747

■ 81.3682, 89.6671,
102.6427

Harmonies

Analogous

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



45.6009, 66.8305, 68.1287



47.0943, 66.8305, 100.0400



52.7894, 66.8305, 130.7075

Triad

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



47.0943, 66.8305, 100.0400



81.4118, 66.8305, 110.5393



65.1901, 66.8305, 29.3099

Complementary

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



47.0943, 66.8305, 100.0400



39.2126, 20.4297, 1.8785

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.



75.6151, 66.8305, 35.1202



47.0943, 66.8305, 100.0400



85.6093, 66.8305, 77.6113

Square

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



47.0943, 66.8305, 100.0400



72.4403, 66.8305, 137.8384



83.3806, 66.8305, 50.9645



55.3645, 66.8305, 32.2834

Rectangle

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



47.0943, 66.8305, 100.0400



58.5640, 66.8305, 143.4029



83.3806, 66.8305, 50.9645



68.7488, 66.8305, 30.2415

Sweetspot

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



47.0964, 66.8329, 100.0416



71.0240, 85.7421, 107.4143



33.9465, 67.7806, 11.6583



14.6551, 18.0147, 22.9547



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.



47.0964, 66.8329, 100.0416



49.7085, 70.5370, 105.6028



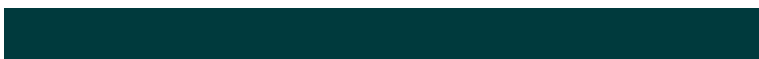
22.9037, 18.4476, 91.9774



17.6836, 19.4441, 22.2063



25.2422, 35.8400, 53.5610



2.3610, 3.3656, 4.9684

Inverse Universe

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



54.2090, 26.1978, 81.5590



57.2198, 27.6519, 86.0782



48.0107, 38.0260, 4.8112



17.9516, 17.5080, 21.6008



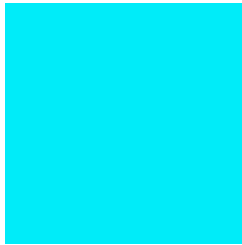
29.0331, 14.0290, 43.7444



2.7006, 1.3040, 4.1129

Previews

White Background



This preview shows how the XYZ color 47.0943, 66.8305, 100.0400 looks on a white background.

Color Contrast Check

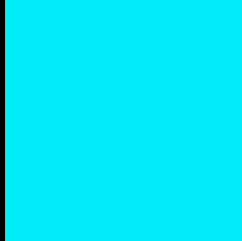
Large Text (above 18pt) WCAG AA × Fail

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 47.0943, 66.8305, 100.0400 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 47.0943, 66.8305, 100.0400

Background



This preview shows how black text looks on a background with the XYZ color 47.0943, 66.8305, 100.0400.

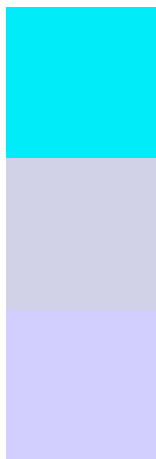


This preview shows how white text looks on a background with the XYZ color 47.0943, 66.8305,

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

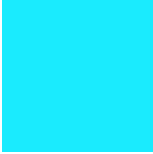
47.0943, 66.8305, 100.0400

Protanopia

63.9066, 65.4747, 85.6136

Deuteranopia

66.9412, 65.5473, 103.7315



Tritanopia

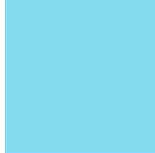
48.0237, 66.7920, 104.1270

Trichromacy



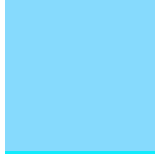
Original Color

47.0943, 66.8305, 100.0400



Protanomaly

50.4370, 61.8226, 90.1636



Deuteranomaly

52.6325, 62.3030, 102.1802



Tritanomaly

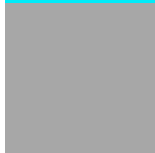
47.5102, 66.5641, 102.4396

Monochromacy



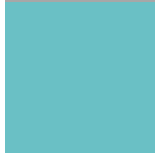
Original Color

47.0943, 66.8305, 100.0400



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.8715, 44.7947, 59.6316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0943, 66.8305, 100.0400 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, 236, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 249)  
}
```

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, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 249) }
```

Border

The CSS property to change the border of an element to XYZ 47.0943, 66.8305, 100.0400 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, 236, 249) }
```


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

```
.border{ border-color:rgb(0, 236, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0943, 66.8305, 100.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 249) }
```

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

```
.background{ background-color: rgb(0, 236,  
249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor