

Converting Colors

XYZ(34.2111, 62.4393, 91.6650)

Have a look what the booklet for
XYZ(34.2111, 62.4393, 91.6650)
contains.

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Color

**XYZ(47.0353, 69.1426,
92.5282)**

Conversions

Conversions Part 1

Format	Color
Hex	00F1EF
RGB	0, 241, 239
RGB Percent	0%, 95%, 94%
CMY	0.9997, 0.0549, 0.0627
CMYK	1.00, 0.00, 0.01, 0.05
HSL	180°, 100%, 47%
HSV	180°, 100%, 95%
XYZ	47.0353, 69.1426, 92.5282
YIQ	168.7130, -142.9940, -51.7140

Conversions

Conversions Part 2

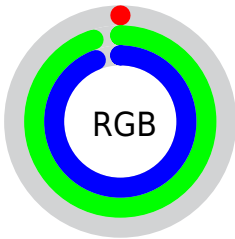
Format	Color
RYB	0, 121, 241
Decimal	61935
CIELab	86.57, -46.65, -12.59
CIELCh	87, 48.313, 195.100
Yxy	69.1426, 0.2254, 0.3313
Android (android.graphics.Color)	4278252015 (0xFF00F1EF)
YUV	168.7130, 34.6515, -147.9613
Hunter-Lab	83.1520, -44.5468, -7.7691

Details

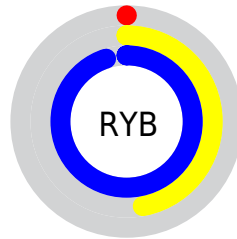
The XYZ color **47.0353, 69.1426, 92.5282** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.2889, 18.7074, 1.7576**, and the grayscale version is **37.4659, 39.4171, 42.9252**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.6877, 37.6999, 50.7227** is the 20% darker color. If you saturate the color by 10%, you get **47.0365, 69.1447, 92.5294**, and if you desaturate by 10%, it is **47.4468, 69.3528, 92.7036**.

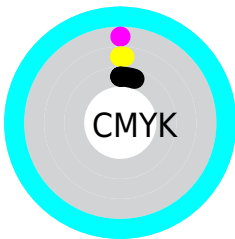
Distribution



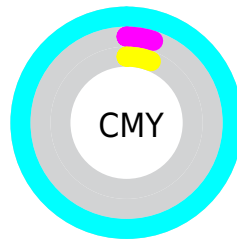
- Red (0%)
- Green (95%)
- Blue (94%)



- Red (0%)
- Yellow (47%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0353, 69.1426, 92.5282 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 47.0353, 69.1426, 92.5282 by changing the saturation by 10% instead.


 47.0353, 69.1426,
92.5282


 47.0353, 69.1426,
92.5282


365.6020,
457.5338, 557.0020


 33.2716, 50.8279,
69.4939


 84.9847, 117.9852,
152.8113

 22.4948, 36.0716,
50.6398


 109.9012,
149.2819, 190.8972


 14.3396, 24.4895,
35.5473

 139.2660,
185.6747, 234.8374

 8.4405, 15.6971,
23.7979

 173.4444,
227.5479, 285.0505

 4.4323, 9.3101,
14.9729

 212.8019,
275.2861, 341.9550

 1.9495, 4.9440,
8.6540

257.7037,

 0.6053, 2.2144,

329.2735, 405.9693

4.4225

308.5153,
389.8946, 477.5122

■ 0.0000, 0.7279,
1.8599

■ 0.0000, 0.0000,
0.4670

■ 47.0353, 69.1426,
92.5282

■ 47.0353, 69.1426,
92.5282

■ 47.0365, 69.1447,
92.5294

■ 47.4468, 69.3528,
92.7036

■ 48.3274, 69.8033,
92.8995

■ 49.8255, 70.5722,
93.1244

■ 52.0285, 71.7045,
93.3826

■ 55.0097, 73.2379,
93.6773

■ 58.8335, 75.2057,
94.0116

■ 63.5572, 77.6374,
94.3883

■ 69.2334, 80.5602,
94.8096

■ 75.9105, 83.9989,
95.2780

Harmonies

Analogous

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



47.0198, 69.1426, 60.5076



47.0353, 69.1426, 92.5282



51.6536, 69.1426, 127.9911

Triad

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



47.0353, 69.1426, 92.5282



82.1898, 69.1426, 127.7749



71.4148, 69.1426, 30.0153

Complementary

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



47.0353, 69.1426, 92.5282



36.2889, 18.7074, 1.7576

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.



82.1283, 69.1426, 39.4920



47.0353, 69.1426, 92.5282



88.8132, 69.1426, 92.2904

Square

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



47.0353, 69.1426, 92.5282



71.4914, 69.1426, 151.9468



88.7894, 69.1426, 60.3285



60.2641, 69.1426, 30.0454

Rectangle

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



47.0353, 69.1426, 92.5282



57.0581, 69.1426, 146.2614



88.7894, 69.1426, 60.3285



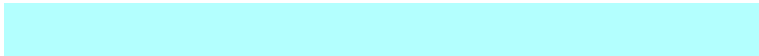
75.2125, 69.1426, 32.0423

Sweetspot

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



47.0374, 69.1452, 92.5299



72.1829, 88.2234, 107.2966



31.5078, 62.9391, 10.4898



14.9376, 18.6196, 22.9259



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.



47.0374, 69.1452, 92.5299



53.4707, 78.6043, 105.1834



23.1554, 20.9052, 86.0365



16.2414, 17.9266, 20.2942



25.5087, 37.4955, 50.1893



2.1239, 3.1200, 4.1849

Inverse Universe

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



36.2889, 18.7074, 1.7576



41.2516, 21.2646, 1.9911



42.5826, 31.3124, 3.8015



15.7782, 15.7610, 16.3880



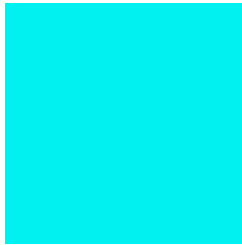
19.6798, 10.1444, 0.9646



1.6390, 0.8447, 0.0900

Previews

White Background



This preview shows how the XYZ color 47.0353, 69.1426, 92.5282 looks on a white background.

Color Contrast Check

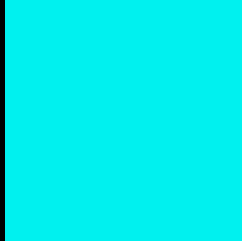
Large Text (above 18pt) WCAG AA × Fail

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 47.0353, 69.1426, 92.5282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

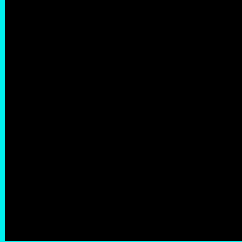
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0353, 69.1426, 92.5282

Background



This preview shows how black text looks on a background with the XYZ color 47.0353, 69.1426, 92.5282.

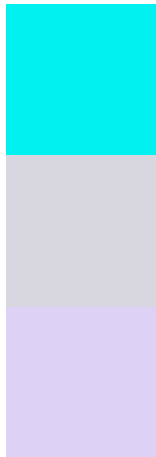


This preview shows how white text looks on a background with the XYZ color 47.0353, 69.1426,

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

47.0353, 69.1426, 92.5282

Protanopia

65.5503, 67.9660, 78.7711

Deuteranopia

69.2538, 67.6269, 96.5920



Tritanopia

51.1582, 69.2442, 105.2769

Trichromacy



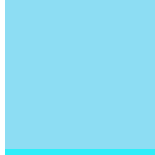
Original Color

47.0353, 69.1426, 92.5282



Protanomaly

50.9758, 64.2311, 83.1099



Deuteranomaly

53.0186, 63.8467, 94.3233



Tritanomaly

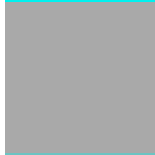
48.8457, 68.5930, 100.2879

Monochromacy



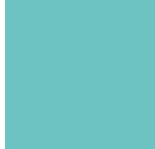
Original Color

47.0353, 69.1426, 92.5282



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.4371, 46.1134, 58.0720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0353, 69.1426, 92.5282 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, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 239)  
}
```

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, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 239) }
```

Border

The CSS property to change the border of an element to XYZ 47.0353, 69.1426, 92.5282 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, 241, 239) }
```


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

```
.border{ border-color:rgb(0, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0353, 69.1426, 92.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 239) }
```

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

```
.background{ background-color: rgb(0, 241,  
239) }
```

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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