

Converting Colors

XYZ(43.6346, 70.2774, 92.0219)

Have a look what the booklet for
XYZ(43.6346, 70.2774, 92.0219)
contains.

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Color

**XYZ(48.6934, 72.6946,
92.3540)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7EE
RGB	0, 247, 238
RGB Percent	0%, 97%, 93%
CMY	0.9997, 0.0314, 0.0667
CMYK	1.00, 0.00, 0.04, 0.03
HSL	178°, 100%, 48%
HSV	178°, 100%, 97%
XYZ	48.6934, 72.6946, 92.3540
YIQ	172.1210, -144.3230, -55.1630

Conversions

Conversions Part 2

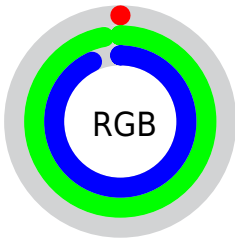
Format	Color
RYB	0, 126, 247
Decimal	63470
CIELab	88.30, -49.50, -9.49
CIELCh	88, 50.398, 190.852
Yxy	72.6946, 0.2278, 0.3401
Android (android.graphics.Color)	4278253550 (0xFF00F7EE)
YUV	172.1210, 32.4783, -150.9501
Hunter-Lab	85.2611, -47.2640, -4.5395

Details

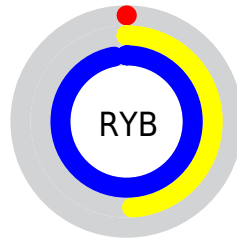
The XYZ color **48.6934, 72.6946, 92.3540** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **38.4094, 19.7961, 2.0570**, and the grayscale version is **39.1778, 41.2181, 44.8865**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.8570, 40.2043, 50.6007** is the 20% darker color. If you saturate the color by 10%, you get **48.6944, 72.6968, 92.3539**, and if you desaturate by 10%, it is **49.2226, 72.9537, 93.0728**.

Distribution



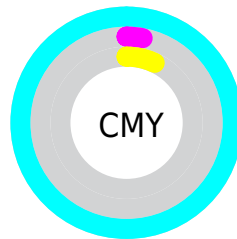
- Red (0%)
- Green (97%)
- Blue (93%)



- Red (0%)
- Yellow (49%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6934, 72.6946, 92.3540 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 48.6934, 72.6946, 92.3540 by changing the saturation by 10% instead.


 48.6934, 72.6946,
92.3540


 48.6934, 72.6946,
92.3540


372.0711,
469.9557, 556.4254

 34.5899, 53.7263,
69.3500


 87.4394, 123.0436,
152.5679

 23.5121, 38.3829,
50.5233


 112.8125,
155.1930, 190.6149


 15.0949, 26.2800,
35.4553


 142.6729,
192.5049, 234.5133

 8.9728, 17.0332,
23.7274

 177.3859,
235.3637, 284.6816

 4.7804, 10.2582,
14.9212

 217.3169,
284.1538, 341.5385

 2.1524, 5.5705,
8.6181

262.8312,

 0.7175, 2.5857,

339.2595, 405.5024

4.3995

314.2941,
401.0654, 476.9918

■ 0.0000, 0.9195,
1.8470

■ 0.0000, 0.0000,
0.4587

■ 48.6934, 72.6946,
92.3540

■ 48.6934, 72.6946,
92.3540

■ 48.6944, 72.6968,
92.3539

■ 49.2226, 72.9537,
93.0728

■ 50.2500, 73.4679,
93.8167

■ 51.9316, 74.3194,
94.5947

■ 54.3604, 75.5559,
95.4111

■ 57.6145, 77.2178,
96.2697

■ 61.7619, 79.3402,
97.1735

■ 66.8638, 81.9545,
98.1255

■ 72.9760, 85.0896,
99.1282

■ 80.1499, 88.7719,
100.1841

Harmonies

Analogous

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



49.3856, 72.6946, 59.2690



48.6934, 72.6946, 92.3540



52.9662, 72.6946, 131.1486

Triad

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



48.6934, 72.6946, 92.3540



85.4350, 72.6946, 140.9131



76.9995, 72.6946, 31.4610

Complementary

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



48.6934, 72.6946, 92.3540



38.4094, 19.7961, 2.0570

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.



88.2026, 72.6946, 43.1147



48.6934, 72.6946, 92.3540



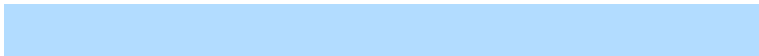
93.4516, 72.6946, 103.0482

Square

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



48.6934, 72.6946, 92.3540



73.5619, 72.6946, 164.1489



94.5197, 72.6946, 67.2723



64.8109, 72.6946, 30.1332

Rectangle

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



48.6934, 72.6946, 92.3540



58.3831, 72.6946, 152.6587



94.5197, 72.6946, 67.2723



81.0409, 72.6946, 34.0968

Sweetspot

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



48.6956, 72.6973, 92.3557



71.8392, 88.0859, 105.4871



33.4197, 66.6051, 11.0965



14.8538, 18.5861, 22.4847



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.



48.6956, 72.6973, 92.3557



52.3492, 78.1557, 99.2774



25.5774, 24.2910, 91.3392



16.9691, 18.7468, 21.1215



25.7641, 38.4505, 48.9049



2.2724, 3.3826, 4.3405

Inverse Universe

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



38.4094, 19.7961, 2.0570



41.2909, 21.2804, 2.1982



44.0643, 31.1848, 3.6987



16.5236, 16.4923, 17.2379



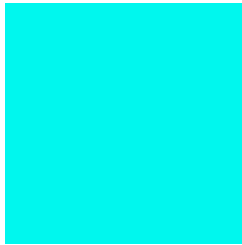
20.3233, 10.4728, 1.1452



1.7947, 0.9238, 0.1451

Previews

White Background



This preview shows how the XYZ color 48.6934, 72.6946, 92.3540 looks on a white background.

Color Contrast Check

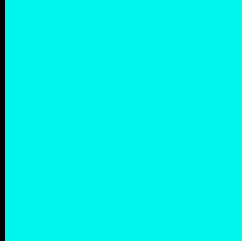
Large Text (above 18pt) WCAG AA × Fail

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 48.6934, 72.6946, 92.3540 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

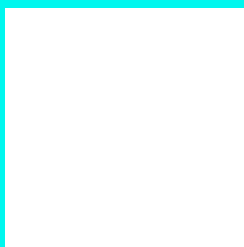
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6934, 72.6946, 92.3540

Background



This preview shows how black text looks on a background with the XYZ color 48.6934, 72.6946, 92.3540.

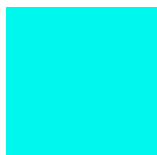


This preview shows how white text looks on a background with the XYZ color 48.6934, 72.6946,

Color Blindness Simulation

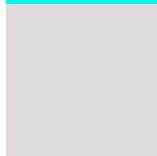
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



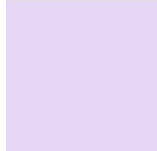
Original Color

48.6934, 72.6946, 92.3540



Protanopia

68.5540, 71.0512, 78.5077



Deuteranopia

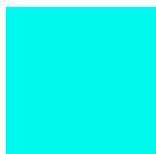
72.8411, 71.3437, 96.3178



Tritanopia

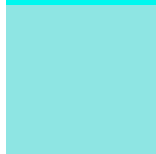
55.8559, 72.5304, 105.6636

Trichromacy



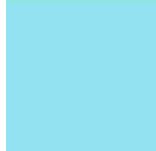
Original Color

48.6934, 72.6946, 92.3540



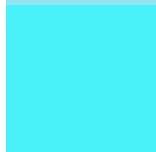
Protanomaly

53.0398, 67.3355, 82.8746



Deuteranomaly

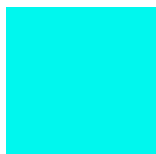
55.0774, 66.9145, 94.0173



Tritanomaly

51.5987, 71.7603, 100.7541

Monochromacy



Original Color

48.6934, 72.6946, 92.3540



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6939, 48.0836, 59.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6934, 72.6946, 92.3540 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, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 238)  
}
```

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, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 238) }
```

Border

The CSS property to change the border of an element to XYZ 48.6934, 72.6946, 92.3540 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, 247, 238) }
```


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

```
.border{ border-color:rgb(0, 247, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6934, 72.6946, 92.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 238) }
```

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

```
.background{ background-color: rgb(0, 247,  
238) }
```

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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