

Converting Colors

XYZ(25.3766, 63.9511, 42.7842)

Have a look what the booklet for
XYZ(25.3766, 63.9511, 42.7842)
contains.

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Color

**XYZ(40.8962, 72.0551,
43.6509)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC9D
RGB	0, 252, 157
RGB Percent	0%, 99%, 62%
CMY	0.9999, 0.0117, 0.3843
CMYK	1.00, 0.00, 0.38, 0.01
HSL	157°, 100%, 49%
HSV	157°, 100%, 99%
XYZ	40.8962, 72.0551, 43.6509
YIQ	165.8220, -119.6970, -82.9690

Conversions

Conversions Part 2

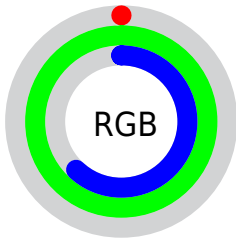
Format	Color
RYB	0, 155, 252
Decimal	64669
CIELab	88.00, -70.78, 31.83
CIELCh	88, 77.610, 155.787
Yxy	72.0551, 0.2611, 0.4601
Android (android.graphics.Color)	4278254749 (0xFF00FC9D)
YUV	165.8220, -4.3492, -145.4259
Hunter-Lab	84.8853, -62.5511, 28.9308

Details

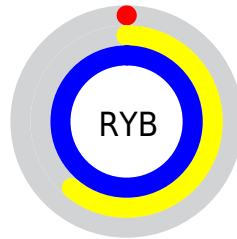
The XYZ color **40.8962, 72.0551, 43.6509** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.2135, 21.5235, 12.7625**, and the grayscale version is **36.2260, 38.1125, 41.5045**.

A 20% lighter version of the original color is **54.7139, 79.9183, 74.8294**, and **21.8416, 39.6035, 19.8577** is the 20% darker color. If you saturate the color by 10%, you get **40.8969, 72.0575, 43.6482**, and if you desaturate by 10%, it is **42.1475, 72.6047, 48.1119**.

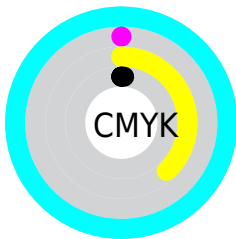
Distribution



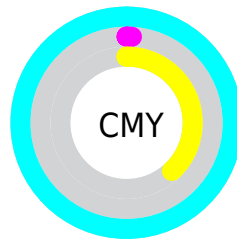
- Red (0%)
- Green (99%)
- Blue (62%)



- Red (0%)
- Yellow (61%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8962, 72.0551, 43.6509 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 40.8962, 72.0551, 43.6509 by changing the saturation by 10% instead.


 40.8962, 72.0551,
43.6509


 40.8962, 72.0551,
43.6509


340.9566,
467.7334, 377.2814


 28.4253, 53.2037,
30.0610


 75.8020, 122.1349,
81.9890


 18.7886, 37.9654,
19.6324


 98.9676, 154.1320,
107.5743


 11.6207, 25.9558,
11.9467


 126.4288,
191.2798, 137.9952

 6.5563, 16.7906,
6.5853

 158.5510,
233.9628, 173.6701

 3.2301, 10.0853,
3.1297

 195.6995,
282.5652, 215.0176

 1.2766, 5.4556,
1.1612

238.2397,

 0.1656, 2.5170,

337.4715, 262.4563

0.0000

286.5370,
399.0661, 316.4047

■ 0.0000, 0.8851,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8962, 72.0551,
43.6509

■ 40.8962, 72.0551,
43.6509

■ 40.8969, 72.0575,
43.6482

■ 42.1475, 72.6047,
48.1119

■ 43.9852, 73.4472,
52.9354

■ 46.5731, 74.6689,
58.1374

■ 50.0104, 76.3206,
63.7296

■ 54.3802, 78.4452,
69.7222

■ 59.7554, 81.0801,
76.1252

■ 66.2016, 84.2589,
82.9479

■ 73.7783, 88.0121,
90.1991

■ 82.5407, 92.3683,
97.8873

Harmonies

Analogous

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



49.7193, 72.0551, 21.4342



40.8962, 72.0551, 43.6509



38.8410, 72.0551, 89.1827

Triad

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



40.8962, 72.0551, 43.6509



72.1359, 72.0551, 229.7298



101.5855, 72.0551, 32.6876

Complementary

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



40.8962, 72.0551, 43.6509



42.2135, 21.5235, 12.7625

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.



110.3243, 72.0551, 68.6254



40.8962, 72.0551, 43.6509



91.4654, 72.0551, 193.5136

Square

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



40.8962, 72.0551, 43.6509



54.9081, 72.0551, 212.8780



106.3223, 72.0551, 128.0958



84.1363, 72.0551, 17.3936

Rectangle

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



40.8962, 72.0551, 43.6509



41.1897, 72.0551, 131.6443



106.3223, 72.0551, 128.0958



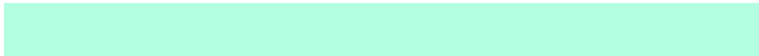
105.7697, 72.0551, 41.9578

Sweetspot

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



40.8981, 72.0580, 43.6526



67.9842, 86.5439, 85.1866



39.7009, 72.1439, 11.8335



13.9242, 18.2142, 17.5893



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.



40.8981, 72.0580, 43.6526



42.0058, 74.0183, 44.8100



43.8544, 59.5941, 101.2903



17.4721, 19.4911, 20.6868



21.3768, 37.5637, 23.1254



2.0313, 3.4996, 2.4129

Inverse Universe

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



42.2135, 21.5235, 12.7625



43.3578, 22.1071, 13.0822



40.5963, 21.5959, 2.0295



17.5153, 17.3335, 19.3033



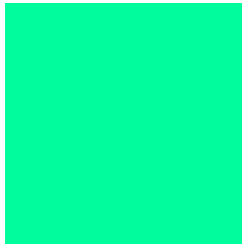
22.0539, 11.2373, 6.9921



2.0922, 1.0606, 0.9089

Previews

White Background



This preview shows how the XYZ color 40.8962, 72.0551, 43.6509 looks on a white background.

Color Contrast Check

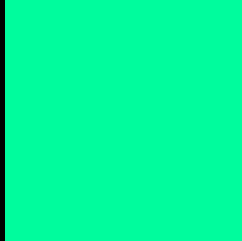
Large Text (above 18pt) WCAG AA × Fail

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 40.8962, 72.0551, 43.6509 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

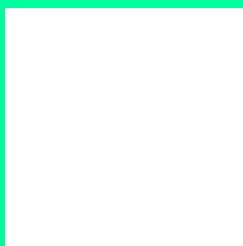
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8962, 72.0551, 43.6509

Background



This preview shows how black text looks on a background with the XYZ color 40.8962, 72.0551, 43.6509.



This preview shows how white text looks on a background with the XYZ color 40.8962, 72.0551,

Color Blindness Simulation

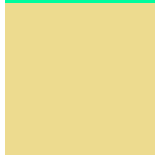
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



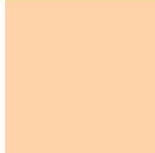
Original Color

40.8962, 72.0551, 43.6509



Protanopia

65.2145, 70.6507, 36.1864



Deuteranopia

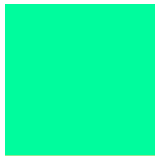
71.5423, 70.2555, 47.8202



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

40.8962, 72.0551, 43.6509



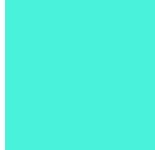
Protanomaly

46.6837, 65.8693, 38.2705



Deuteranomaly

48.6170, 64.2484, 45.4361



Tritanomaly

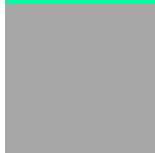
47.2860, 70.0352, 78.0437

Monochromacy



Original Color

40.8962, 72.0551, 43.6509



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.5210, 45.6410, 41.7459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8962, 72.0551, 43.6509 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, 252, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 157)  
}
```

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, 252, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 157) }
```

Border

The CSS property to change the border of an element to XYZ 40.8962, 72.0551, 43.6509 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, 252, 157) }
```


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

```
.border{ border-color:rgb(0, 252, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8962, 72.0551, 43.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 157) }
```

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

```
.background{ background-color: rgb(0, 252,  
157) }
```

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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