

Converting Colors

XYZ(40.6562, 73.4785, 37.7028)

Have a look what the booklet for
XYZ(40.6562, 73.4785, 37.7028)
contains.

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Color

**XYZ(40.6425, 73.4730,
37.6308)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF8E
RGB	0, 255, 142
RGB Percent	0%, 100%, 56%
CMY	0.9999, 0.0000, 0.4431
CMYK	1.00, 0.00, 0.44, 0.00
HSL	153°, 100%, 50%
HSV	153°, 100%, 100%
XYZ	40.6425, 73.4730, 37.6308
YIQ	165.8730, -115.7070, -89.2030

Conversions

Conversions Part 2

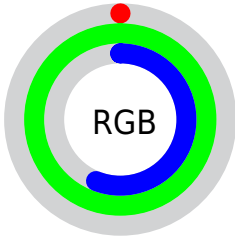
Format	Color
RYB	0, 164, 255
Decimal	65422
CIELab	88.67, -74.49, 40.12
CIELCh	89, 84.602, 151.694
Yxy	73.4730, 0.2678, 0.4842
Android (android.graphics.Color)	4278255502 (0xFF00FF8E)
YUV	165.8730, -11.7694, -145.4706
Hunter-Lab	85.7164, -65.3678, 33.9723

Details

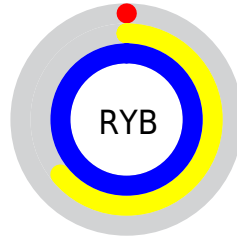
The XYZ color **40.6425, 73.4730, 37.6308** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.2220, 22.4532, 17.6316**, and the grayscale version is **36.2822, 38.1718, 41.5690**.

A 20% lighter version of the original color is **52.9083, 79.1961, 65.3211**, and **21.8117, 40.6707, 16.3735** is the 20% darker color. If you saturate the color by 10%, you get **40.6420, 73.4728, 37.6281**, and if you desaturate by 10%, it is **41.9488, 74.0433, 42.3496**.

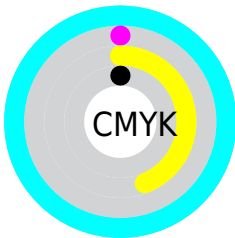
Distribution



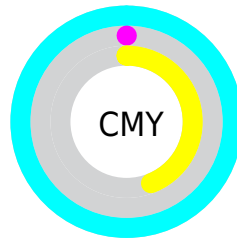
- Red (0%)
- Green (100%)
- Blue (56%)



- Red (0%)
- Yellow (64%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6425, 73.4730, 37.6308 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 40.6425, 73.4730, 37.6308 by changing the saturation by 10% instead.


 40.6425, 73.4730,
37.6308


 40.6425, 73.4730,
37.6308


339.9124,
472.6525, 351.2841

 28.2263, 54.3628,
25.3967


 75.4190, 124.1485,
72.7390


 18.6376, 38.8918,
16.1511


 98.5101, 156.4825,
96.4502


 11.5112, 26.6756,
9.4756


 125.8901,
193.9934, 124.8241

 6.4816, 17.3297,
4.9517

 157.9245,
237.0653, 158.2794

 3.1835, 10.4698,
2.1607

 194.9785,
286.0828, 197.2344

 1.2515, 5.7116,
0.6516

237.4176,

 0.1465, 2.6705,

341.4303, 242.1079

0.0000

285.6071,
403.4920, 293.3183

■ 0.0000, 0.9622,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6425, 73.4730,
37.6308

■ 40.6425, 73.4730,
37.6308


■ 40.6420, 73.4728,
37.6281


■ 41.9488, 74.0433,
42.3496


■ 43.8819, 74.9266,
47.5583


■ 46.6092, 76.2088,
53.2783


■ 50.2337, 77.9428,
59.5262

 54.8419, 80.1729,
66.3173

 60.5099, 82.9380,
73.6663

 67.3057, 86.2731,
81.5869

 75.2915, 90.2099,
90.0925

 84.5250, 94.7780,
99.1956

Harmonies

Analogous

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



51.1610, 73.4730, 17.3774



40.6425, 73.4730, 37.6308



37.4666, 73.4730, 83.3720

Triad

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



40.6425, 73.4730, 37.6308



71.0017, 73.4730, 253.3855



108.8765, 73.4730, 34.2528

Complementary

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



40.6425, 73.4730, 37.6308



44.2220, 22.4532, 17.6316

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.



116.9211, 73.4730, 76.7194



40.6425, 73.4730, 37.6308



92.5735, 73.4730, 218.9896

Square

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



40.6425, 73.4730, 37.6308



52.8132, 73.4730, 225.5630



110.4455, 73.4730, 146.0861



90.1672, 73.4730, 16.2030

Rectangle

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



40.6425, 73.4730, 37.6308



39.3223, 73.4730, 129.2114



110.4455, 73.4730, 146.0861



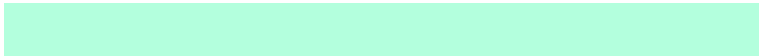
113.0652, 73.4730, 45.2014

Sweetspot

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



40.6430, 73.4732, 37.6320



67.2992, 86.2699, 81.5798



42.7991, 75.1488, 12.2501



13.7613, 18.1491, 16.7316



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.



40.6430, 73.4732, 37.6320



40.6420, 73.4728, 37.6281



49.8772, 70.8740, 105.6590



18.1950, 20.3376, 21.3301



21.3127, 38.4217, 20.0638



2.1302, 3.7630, 2.2432

Inverse Universe

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



44.2220, 22.4532, 17.6316



44.2210, 22.4524, 17.6278



41.3811, 21.5421, 1.9776



18.3438, 18.1208, 20.4278



23.1788, 11.7608, 9.5918



2.3108, 1.1667, 1.2179

Previews

White Background



This preview shows how the XYZ color 40.6425, 73.4730, 37.6308 looks on a white background.

Color Contrast Check

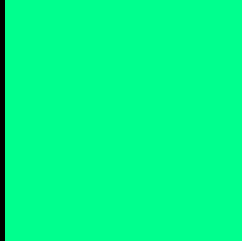
Large Text (above 18pt) WCAG AA × Fail

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 40.6425, 73.4730, 37.6308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

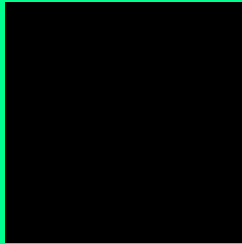
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6425, 73.4730, 37.6308

Background



This preview shows how black text looks on a background with the XYZ color 40.6425, 73.4730, 37.6308.

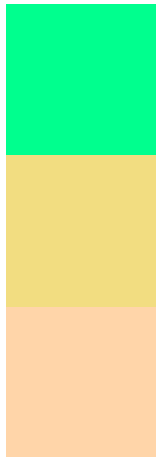


This preview shows how white text looks on a background with the XYZ color 40.6425, 73.4730,

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

40.6425, 73.4730, 37.6308

Protanopia

66.4368, 72.1751, 31.1985

Deuteranopia

72.1957, 71.7131, 47.5730



Tritanopia

57.2287, 72.8047, 105.6442

Trichromacy



Original Color

40.6425, 73.4730, 37.6308



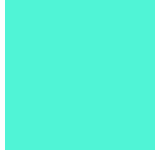
Protanomaly

46.7684, 66.8691, 32.9963



Deuteranomaly

48.9017, 65.6714, 42.8993



Tritanomaly

47.7965, 71.2619, 74.8541

Monochromacy



Original Color

40.6425, 73.4730, 37.6308



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.2237, 45.8867, 39.0569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6425, 73.4730, 37.6308 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, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 142)  
}
```

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, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 40.6425, 73.4730, 37.6308 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, 255, 142) }
```


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

```
.border{ border-color:rgb(0, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6425, 73.4730, 37.6308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 142) }
```

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

```
.background{ background-color: rgb(0, 255,  
142) }
```

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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