

Converting Colors

XYZ(43.9581, 79.1933, 37.9685)

Have a look what the booklet for
XYZ(43.9581, 79.1933, 37.9685)
contains.

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Color

**XYZ(41.2212, 73.7885,
36.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	24FF8C
RGB	36, 255, 140
RGB Percent	14%, 100%, 55%
CMY	0.8588, 0.0000, 0.4510
CMYK	0.86, 0.00, 0.45, 0.00
HSL	148°, 100%, 57%
HSV	148°, 86%, 100%
XYZ	41.2212, 73.7885, 36.8810
YIQ	176.4090, -93.6090, -82.1930

Conversions

Conversions Part 2

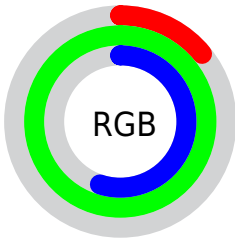
Format	Color
RYB	36, 184, 255
Decimal	2424716
CIELab	88.82, -73.35, 41.31
CIELCh	89, 84.185, 150.611
Yxy	73.7885, 0.2714, 0.4858
Android (android.graphics.Color)	4280614796 (0xFF24FF8C)
YUV	176.4090, -17.9496, -123.1387
Hunter-Lab	85.9002, -64.6681, 34.6742

Details

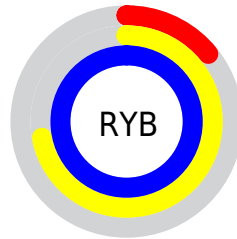
The XYZ color **41.2212, 73.7885, 36.8810** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.4574, 24.7568, 31.5574**, and the grayscale version is **41.6073, 43.7741, 47.6700**.

A 20% lighter version of the original color is **53.9225, 79.7452, 64.1801**, and **21.7277, 40.6371, 15.9311** is the 20% darker color. If you saturate the color by 10%, you get **39.6972, 73.1101, 31.9660**, and if you desaturate by 10%, it is **43.4982, 74.8412, 42.4610**.

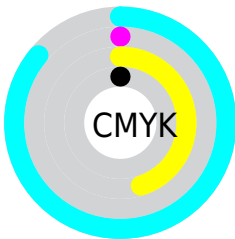
Distribution



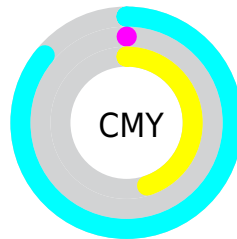
- Red (14%)
- Green (100%)
- Blue (55%)



- Red (14%)
- Yellow (72%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (86%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2212, 73.7885, 36.8810 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 41.2212, 73.7885, 36.8810 by changing the saturation by 10% instead.


 41.2212, 73.7885,
36.8810


 41.2212, 73.7885,
36.8810


342.2911,
473.7431, 347.9482


 28.6804, 54.6210,
24.8203


 76.2922, 124.5959,
71.5740


 18.9822, 39.0983,
15.7254


 99.5530, 157.0046,
95.0434

 11.7614, 26.8362,
9.1778


 127.1180,
194.5958, 123.1528

 6.6524, 17.4503,
4.7590

 159.3523,
237.7539, 156.3207

 3.2901, 10.5560,
2.0503

196.6215,
286.8633, 194.9656

 1.3090, 5.7692,
0.5859

239.2907,

 0.1899, 2.7052,

342.3083, 239.5061

0.0000

287.7255,
404.4735, 290.3608

■ 0.0000, 0.9798,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2212, 73.7885,
36.8810

■ 41.2212, 73.7885,
36.8810

■ 39.6972, 73.1101,
31.9660


■ 43.4982, 74.8412,
42.4610

■ 39.2170, 72.9028,
30.1243


■ 46.6463, 76.3287,
48.7291


■ 50.7630, 78.3006,
55.7115

■ 55.9314, 80.7995,
63.4313

 62.2256, 83.8631,
71.9107

 69.7125, 87.5255,
81.1708

 78.4536, 91.8181,
91.2316

 88.5061, 96.7699,
102.1125

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.0054, 73.7885, 17.2763



41.2212, 73.7885, 36.8810



37.7831, 73.7885, 81.5463

Triad

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



41.2212, 73.7885, 36.8810



70.5526, 73.7885, 253.0231



109.5733, 73.7885, 35.6607

Complementary

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



41.2212, 73.7885, 36.8810



47.4574, 24.7568, 31.5574

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.



117.0918, 73.7885, 79.1518



41.2212, 73.7885, 36.8810



92.0501, 73.7885, 220.8863

Square

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



41.2212, 73.7885, 36.8810



52.6009, 73.7885, 223.2443



110.1371, 73.7885, 148.9947



91.1848, 73.7885, 16.8501

Rectangle

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



41.2212, 73.7885, 36.8810



39.4674, 73.7885, 126.7011



110.1371, 73.7885, 148.9947



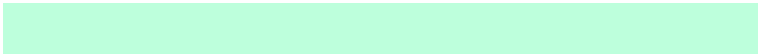
113.5988, 73.7885, 46.9467

Sweetspot

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



41.2217, 73.7888, 36.8822



69.6147, 87.4776, 81.0542



49.1784, 78.4006, 14.2106



14.3167, 18.4379, 16.6439



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.



41.2217, 73.7888, 36.8822



39.2170, 72.9028, 30.1243



53.3846, 78.6539, 100.9314



18.1307, 20.3118, 20.9914



20.5660, 38.1230, 16.1316



2.0572, 3.7338, 1.8590

Inverse Universe

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



47.4574, 24.7568, 31.5574



45.5365, 22.9786, 24.5549



42.3128, 22.6989, 4.4664



18.4079, 18.1465, 20.7651



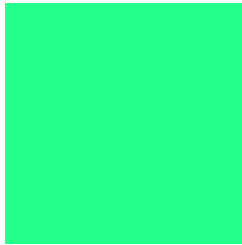
23.8699, 12.0372, 13.2311



2.3794, 1.1941, 1.5792

Previews

White Background



This preview shows how the XYZ color 41.2212, 73.7885, 36.8810 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 41.2212, 73.7885, 36.8810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

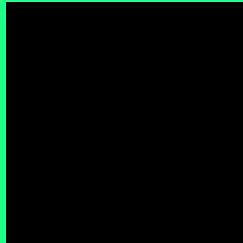
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

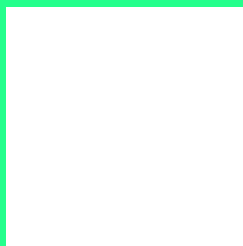
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2212, 73.7885, 36.8810

Background



This preview shows how black text looks on a background with the XYZ color 41.2212, 73.7885, 36.8810.



This preview shows how white text looks on a background with the XYZ color 41.2212, 73.7885,

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

41.2212, 73.7885, 36.8810

Protanopia

66.3052, 72.1225, 30.5050

Deuteranopia

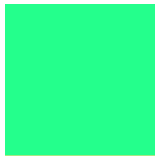
72.1957, 71.7131, 47.5730



Tritanopia

57.6778, 73.0362, 105.6652

Trichromacy



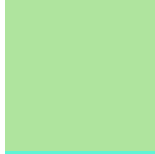
Original Color

41.2212, 73.7885, 36.8810



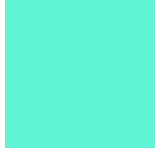
Protanomaly

49.2401, 68.1593, 32.3906



Deuteranomaly

51.5942, 67.0694, 42.5741



Tritanomaly

49.0802, 71.9384, 74.2495

Monochromacy



Original Color

41.2212, 73.7885, 36.8810



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.8996, 50.6670, 42.4852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2212, 73.7885, 36.8810 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(36, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 140)  
}
```

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(36, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 41.2212, 73.7885, 36.8810 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(36, 255, 140) }
```


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

```
.border{ border-color:rgb(36, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2212, 73.7885, 36.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 140) }
```

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

```
.background{ background-color: rgb(36, 255,  
140) }
```

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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