

Converting Colors

XYZ(35.2621, 60.7293, 41.9506)

Have a look what the booklet for
XYZ(35.2621, 60.7293, 41.9506)
contains.

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Color

**XYZ(35.2247, 60.7121,
41.7604)**

Conversions

Conversions Part 1

Format	Color
Hex	00E99D
RGB	0, 233, 157
RGB Percent	0%, 91%, 62%
CMY	0.9999, 0.0863, 0.3843
CMYK	1.00, 0.00, 0.33, 0.09
HSL	160°, 100%, 46%
HSV	160°, 100%, 91%
XYZ	35.2247, 60.7121, 41.7604
YIQ	154.6690, -114.4720, -73.0320

Conversions

Conversions Part 2

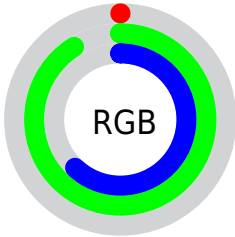
Format	Color
RYB	0, 139, 233
Decimal	59805
CIELab	82.22, -64.23, 24.04
CIELCh	82, 68.582, 159.480
Yxy	60.7121, 0.2558, 0.4409
Android (android.graphics.Color)	4278249885 (0xFF00E99D)
YUV	154.6690, 1.1492, -135.6447
Hunter-Lab	77.9180, -55.6612, 22.7659

Details

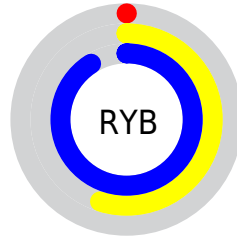
The XYZ color **35.2247, 60.7121, 41.7604** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.9112, 17.8470, 8.4472**, and the grayscale version is **31.0449, 32.6617, 35.5686**.

A 20% lighter version of the original color is **54.0741, 79.5885, 74.7995**, and **18.0751, 32.0706, 18.6022** is the 20% darker color. If you saturate the color by 10%, you get **35.2253, 60.7140, 41.7580**, and if you desaturate by 10%, it is **36.2563, 61.1682, 45.3041**.

Distribution



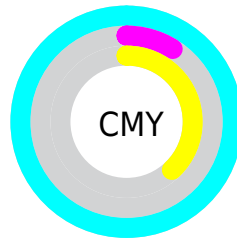
- Red (0%)
- Green (91%)
- Blue (62%)



- Red (0%)
- Yellow (55%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2247, 60.7121, 41.7604 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 35.2247, 60.7121, 41.7604 by changing the saturation by 10% instead.


 35.2247, 60.7121,
41.7604


 35.2247, 60.7121,
41.7604


317.0497,
427.2176, 369.2591


 24.0033, 43.9929,
28.5896


 67.1654, 105.8620,
79.1030


 15.4608, 30.6649,
18.5276


 88.6155, 135.0614,
104.1119


 9.2319, 20.3438,
11.1561

 114.2059,
169.1897, 133.9039

 4.9510, 12.6452,
6.0565

 144.3020,
208.6312, 168.8975

 2.2530, 7.1847,
2.8101

 179.2690,
253.7703, 209.5113

 0.7705, 3.5779,
0.9985

219.4724,

 0.0000, 1.4404,

304.9915, 256.1638

0.0000

265.2775,
362.6792, 309.2735

■ 0.0000, 0.2462,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2247, 60.7121,
41.7604

■ 35.2247, 60.7121,
41.7604

■ 35.2253, 60.7140,
41.7580

■ 36.2563, 61.1682,
45.3041

■ 37.7612, 61.8619,
49.0830

■ 39.8789, 62.8667,
53.1088

■ 42.6904, 64.2243,
57.3886

■ 46.2639, 65.9697,
61.9291

■ 50.6591, 68.1336,
66.7365

■ 55.9295, 70.7436,
71.8166

■ 62.1241, 73.8249,
77.1749

■ 69.2881, 77.4006,
82.8166

Harmonies

Analogous

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



41.6486, 60.7121, 21.4740



35.2247, 60.7121, 41.7604



34.2294, 60.7121, 80.2347

Triad

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



35.2247, 60.7121, 41.7604



62.4481, 60.7121, 181.1745



82.1685, 60.7121, 27.0616

Complementary

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



35.2247, 60.7121, 41.7604



34.9112, 17.8470, 8.4472

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.



90.0193, 60.7121, 53.7402



35.2247, 60.7121, 41.7604



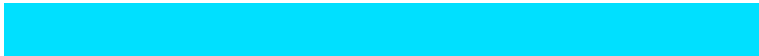
77.4341, 60.7121, 149.4882

Square

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



35.2247, 60.7121, 41.7604



48.4228, 60.7121, 173.4551



88.1541, 60.7121, 98.4426



68.1036, 60.7121, 15.8101

Rectangle

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



35.2247, 60.7121, 41.7604



36.5739, 60.7121, 114.0281



88.1541, 60.7121, 98.4426



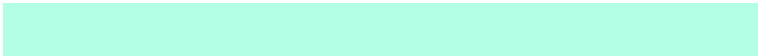
85.7210, 60.7121, 33.9356

Sweetspot

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



35.2263, 60.7145, 41.7618



68.5242, 86.7599, 88.0303



32.2563, 59.8864, 9.8599



14.0531, 18.2658, 18.2684



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.



35.2263, 60.7145, 41.7618



43.1886, 74.4914, 51.0385



34.0394, 44.5447, 83.8975



15.2966, 17.0334, 18.2445



20.0462, 34.4729, 24.0060



1.6180, 2.7245, 2.1162

Inverse Universe

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



34.9112, 17.8470, 8.4472



42.8085, 21.8874, 10.1896



34.3264, 18.7659, 1.8137



15.2680, 15.1351, 16.6968



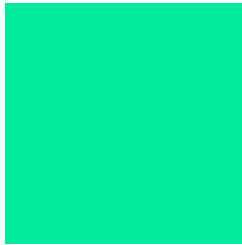
19.8588, 10.1462, 5.0578



1.6022, 0.8138, 0.6224

Previews

White Background



This preview shows how the XYZ color 35.2247, 60.7121, 41.7604 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 35.2247, 60.7121, 41.7604 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 35.2247, 60.7121, 41.7604

Background



This preview shows how black text looks on a background with the XYZ color 35.2247, 60.7121, 41.7604.



This preview shows how white text looks on a background with the XYZ color 35.2247, 60.7121,

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

35.2247, 60.7121, 41.7604

Protanopia

55.6034, 59.7856, 34.9947

Deuteranopia

60.6590, 59.4456, 44.3535



Tritanopia

45.5731, 60.8317, 92.5588

Trichromacy



Original Color

35.2247, 60.7121, 41.7604



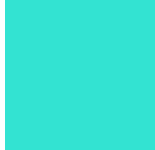
Protanomaly

40.1188, 55.7520, 37.0805



Deuteranomaly

41.9890, 54.7293, 43.0011



Tritanomaly

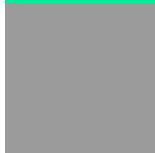
40.4672, 60.2951, 70.4780

Monochromacy



Original Color

35.2247, 60.7121, 41.7604



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.0798, 38.9199, 37.4848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2247, 60.7121, 41.7604 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, 233, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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, 233, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 157) }
```

Border

The CSS property to change the border of an element to XYZ 35.2247, 60.7121, 41.7604 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, 233, 157) }
```


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

```
.border{ border-color:rgb(0, 233, 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, 233, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2247, 60.7121, 41.7604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 157) }
```

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

```
.background{ background-color: rgb(0, 233,  
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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