

Converting Colors

XYZ(21.6354, 53.8586, 41.9116)

Have a look what the booklet for
XYZ(21.6354, 53.8586, 41.9116)
contains.

XYZ(35.3969, 60.7810, 42.6672)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3969, 60.7810,
42.6672)**

Conversions

Conversions Part 1

Format	Color
Hex	00E99F
RGB	0, 233, 159
RGB Percent	0%, 91%, 62%
CMY	0.9999, 0.0863, 0.3765
CMYK	1.00, 0.00, 0.32, 0.09
HSL	161°, 100%, 46%
HSV	161°, 100%, 91%
XYZ	35.3969, 60.7810, 42.6672
YIQ	154.8970, -115.1140, -72.4100

Conversions

Conversions Part 2

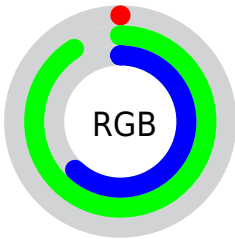
Format	Color
RYB	0, 138, 233
Decimal	59807
CIELab	82.26, -63.81, 23.06
CIELCh	82, 67.846, 160.130
Yxy	60.7810, 0.2549, 0.4378
Android (android.graphics.Color)	4278249887 (0xFF00E99F)
YUV	154.8970, 2.0228, -135.8447
Hunter-Lab	77.9622, -55.3900, 22.1252

Details

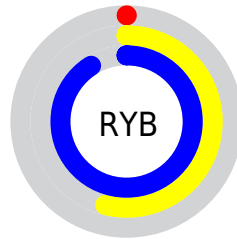
The XYZ color **35.3969, 60.7810, 42.6672** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as dark washed spring green. A complement of this color would be **34.8427, 17.8196, 8.0864**, and the grayscale version is **31.1421, 32.7639, 35.6799**.

A 20% lighter version of the original color is **54.3280, 79.6900, 76.1367**, and **18.1792, 32.1122, 19.1501** is the 20% darker color. If you saturate the color by 10%, you get **35.3975, 60.7830, 42.6649**, and if you desaturate by 10%, it is **36.4208, 61.2340, 46.1704**.

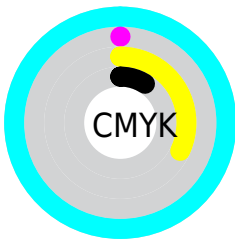
Distribution



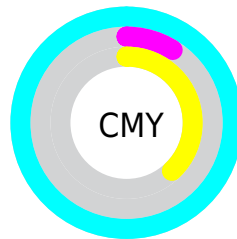
- Red (0%)
- Green (91%)
- Blue (62%)



- Red (0%)
- Yellow (54%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3969, 60.7810, 42.6672 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 35.3969, 60.7810, 42.6672 by changing the saturation by 10% instead.


 35.3969, 60.7810,
42.6672


 35.3969, 60.7810,
42.6672


317.7942,
427.4706, 373.1223


 24.1367, 44.0485,
29.2946


 67.4302, 105.9618,
80.4894


 15.5604, 30.7086,
19.0563


 88.9339, 135.1788,
105.7760


 9.3025, 20.3771,
11.5338


 114.5830,
169.3261, 135.8712

 4.9977, 12.6694,
6.3084

 144.7426,
208.7881, 171.1932

 2.2806, 7.2013,
2.9617

 179.7782,
253.9491, 212.1609

 0.7847, 3.5883,
1.0751

220.0551,

 0.0000, 1.4460,

305.1936, 259.1925

0.0000

265.9386,
362.9060, 312.7068

■ 0.0000, 0.2503,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3969, 60.7810,
42.6672

■ 35.3969, 60.7810,
42.6672

■ 35.3975, 60.7830,
42.6649

■ 36.4208, 61.2340,
46.1704

■ 37.9160, 61.9238,
49.8985

■ 40.0220, 62.9239,
53.8627

■ 42.8198, 64.2760,
58.0699

■ 46.3774, 66.0151,
62.5266

■ 50.7544, 68.1717,
67.2386

■ 56.0044, 70.7736,
72.2115

■ 62.1763, 73.8458,
77.4504

■ 69.3153, 77.4115,
82.9605

Harmonies

Analogous

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



41.6609, 60.7810, 22.1026



35.3969, 60.7810, 42.6672



34.5240, 60.7810, 81.1721

Triad

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



35.3969, 60.7810, 42.6672



62.7921, 60.7810, 179.3609



81.7032, 60.7810, 27.0238

Complementary

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



35.3969, 60.7810, 42.6672



34.8427, 17.8196, 8.0864

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.



89.6363, 60.7810, 53.1581



35.3969, 60.7810, 42.6672



77.5749, 60.7810, 147.4858

Square

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



35.3969, 60.7810, 42.6672



48.8388, 60.7810, 172.6540



88.0110, 60.7810, 97.0501



67.7298, 60.7810, 16.0314

Rectangle

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



35.3969, 60.7810, 42.6672



36.9321, 60.7810, 114.6510



88.0110, 60.7810, 97.0501



85.2622, 60.7810, 33.7549

Sweetspot

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



35.3985, 60.7834, 42.6686



68.6167, 86.7969, 88.5172



32.2562, 59.8864, 9.8599



14.0753, 18.2746, 18.3849



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.



35.3985, 60.7834, 42.6686



43.4003, 74.5761, 52.1535



34.0394, 44.5447, 83.8975



15.3023, 17.0357, 18.2745



20.1433, 34.5118, 24.5173



1.6251, 2.7273, 2.1535

Inverse Universe

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



34.8427, 17.8196, 8.0864



42.7251, 21.8540, 9.7502



34.3264, 18.7659, 1.8137



15.2626, 15.1329, 16.6681



19.8190, 10.1303, 4.8484



1.5985, 0.8124, 0.6032

Previews

White Background



This preview shows how the XYZ color 35.3969, 60.7810, 42.6672 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 35.3969, 60.7810, 42.6672 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 35.3969, 60.7810, 42.6672

Background



This preview shows how black text looks on a background with the XYZ color 35.3969, 60.7810, 42.6672.

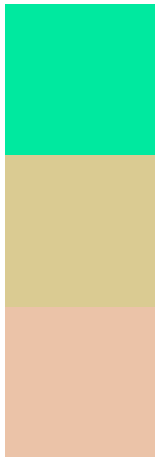


This preview shows how white text looks on a background with the XYZ color 35.3969, 60.7810,

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

35.3969, 60.7810, 42.6672

Protanopia

55.4577, 59.6926, 35.7930

Deuteranopia

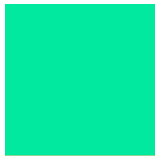
60.8439, 59.5195, 45.3274



Tritanopia

45.5731, 60.8317, 92.5588

Trichromacy



Original Color

35.3969, 60.7810, 42.6672



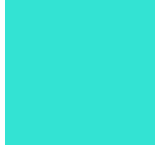
Protanomaly

40.2799, 55.8165, 37.9288



Deuteranomaly

42.1697, 54.8016, 43.9525



Tritanomaly

40.5922, 60.3451, 71.1364

Monochromacy



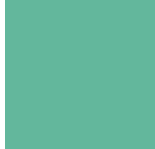
Original Color

35.3969, 60.7810, 42.6672



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 35.3969, 60.7810, 42.6672 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 159) }
```

Border

The CSS property to change the border of an element to XYZ 35.3969, 60.7810, 42.6672 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, 159) }
```


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

```
.border{ border-color:rgb(0, 233, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3969, 60.7810, 42.6672 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, 159) }
```

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

```
.background{ background-color: rgb(0, 233,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor