

Converting Colors

XYZ(42.4662, 72.8917, 51.0223)

Have a look what the booklet for
XYZ(42.4662, 72.8917, 51.0223)
contains.

XYZ(42.3069, 72.6252, 50.8180)	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(42.3069, 72.6252,
50.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	04FCAC
RGB	4, 252, 172
RGB Percent	2%, 99%, 67%
CMY	0.9842, 0.0117, 0.3255
CMYK	0.98, 0.00, 0.32, 0.01
HSL	161°, 98%, 50%
HSV	161°, 98%, 99%
XYZ	42.3069, 72.6252, 50.8180
YIQ	168.7280, -122.1280, -77.4560

Conversions

Conversions Part 2

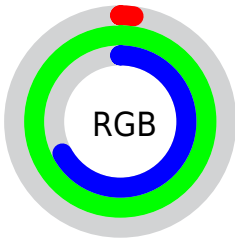
Format	Color
RYB	4, 152, 252
Decimal	326828
CIELab	88.27, -67.67, 24.64
CIELCh	88, 72.016, 159.995
Yxy	72.6252, 0.2552, 0.4382
Android (android.graphics.Color)	4278516908 (0xFF04FCAC)
YUV	168.7280, 1.6131, -144.4665
Hunter-Lab	85.2204, -60.5210, 24.2989

Details

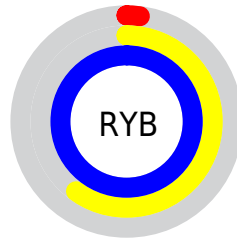
The XYZ color **42.3069, 72.6252, 50.8180** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **41.7918, 21.4244, 10.3274**, and the grayscale version is **37.6191, 39.5782, 43.1006**.

A 20% lighter version of the original color is **56.8338, 80.7663, 85.9928**, and **22.6216, 39.9155, 23.9649** is the 20% darker color. If you saturate the color by 10%, you get **42.1339, 72.5523, 50.1622**, and if you desaturate by 10%, it is **43.5768, 73.1887, 55.0811**.

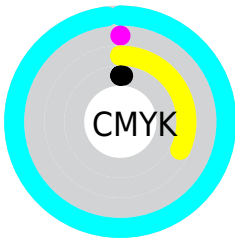
Distribution



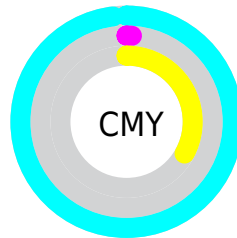
- Red (2%)
- Green (99%)
- Blue (67%)



- Red (2%)
- Yellow (60%)
- Blue (99%)



- Cyan (98%)
- Magenta (0%)
- Yellow (32%)
- Black (1%)




- Cyan (98%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3069, 72.6252, 50.8180 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 42.3069, 72.6252, 50.8180 by changing the saturation by 10% instead.


 42.3069, 72.6252,
50.8180


 42.3069, 72.6252,
50.8180


346.7236,
469.7148, 406.6826


 29.5338, 53.6696,
35.6881


 77.9261, 122.9450,
92.7944


 19.6313, 38.3375,
23.9056


 101.5030,
155.0779, 120.4780

 12.2340, 26.2448,
15.0521


 129.4119,
192.3721, 153.1832

 6.9766, 17.0068,
8.7089

 162.0182,
235.2118, 191.3286

 3.4937, 10.2394,
4.4576

 199.6871,
283.9816, 235.3327

 1.4199, 5.5580,
1.8796


242.7841,


 0.2703, 2.5782,


339.0657, 285.6140


0.4797


291.6744,
400.8487, 342.5912

 0.0000, 0.9157,
0.0000


 0.0000, 0.0000,
0.0000


 42.3069, 72.6252,
50.8180

 42.3069, 72.6252,
50.8180

 42.1339, 72.5523,
50.1622

 43.5768, 73.1887,
55.0811

 45.4619, 74.0619,
59.6251

 48.0979, 75.3165,
64.4621

 51.5801, 77.0015,
69.6008

■ 55.9894, 79.1586,
75.0489

■ 61.3970, 81.8243,
80.8137

■ 67.8668, 85.0315,
86.9020

■ 75.4572, 88.8103,
93.3202

■ 84.2224, 93.1885,
100.0746

Harmonies

Analogous

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



49.8220, 72.6252, 26.3300



42.3069, 72.6252, 50.8180



41.2349, 72.6252, 96.7443

Triad

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



42.3069, 72.6252, 50.8180



74.9491, 72.6252, 214.4434



97.6973, 72.6252, 32.3736

Complementary

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



42.3069, 72.6252, 50.8180



41.7918, 21.4244, 10.3274

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.



107.1349, 72.6252, 63.7024



42.3069, 72.6252, 50.8180



92.6270, 72.6252, 176.5087

Square

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



42.3069, 72.6252, 50.8180



58.2873, 72.6252, 206.2058



105.1388, 72.6252, 116.2455



81.0133, 72.6252, 19.1744

Rectangle

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



42.3069, 72.6252, 50.8180



44.0936, 72.6252, 136.7353



105.1388, 72.6252, 116.2455



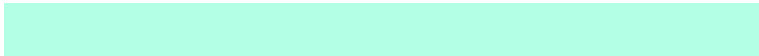
101.9389, 72.6252, 40.4467

Sweetspot

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



42.3088, 72.6281, 50.8197



68.5628, 86.7754, 88.2338



38.7354, 71.6436, 11.9029



14.0624, 18.2695, 18.3171



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.



42.3088, 72.6281, 50.8197



43.2768, 74.5267, 51.5027



40.8356, 53.4821, 100.2697



17.5136, 19.5077, 20.9054



22.0176, 37.8200, 26.4998



2.0877, 3.5222, 2.7095

Inverse Universe

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



41.7918, 21.4244, 10.3274



42.7733, 21.8733, 10.0041



41.1207, 22.6096, 2.3126



17.4754, 17.3175, 19.0932



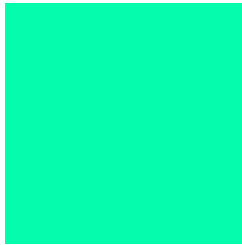
21.7510, 11.1161, 5.3971



2.0608, 1.0481, 0.7436

Previews

White Background



This preview shows how the XYZ color 42.3069, 72.6252, 50.8180 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 42.3069, 72.6252, 50.8180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

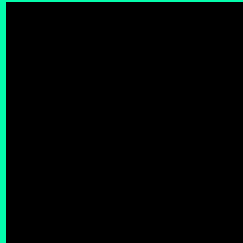
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3069, 72.6252, 50.8180

Background



This preview shows how black text looks on a background with the XYZ color 42.3069, 72.6252, 50.8180.

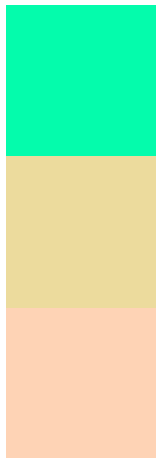


This preview shows how white text looks on a background with the XYZ color 42.3069, 72.6252,

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

42.3069, 72.6252, 50.8180

Protanopia

66.0094, 70.9302, 42.1101

Deuteranopia

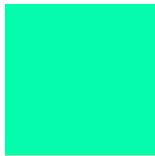
72.5078, 70.9956, 53.5980



Tritanopia

56.0957, 72.2206, 105.5912

Trichromacy



Original Color

42.3069, 72.6252, 50.8180



Protanomaly

48.0464, 66.4359, 44.4735



Deuteranomaly

50.3365, 65.3936, 52.0887



Tritanomaly

48.7018, 71.1152, 82.3939

Monochromacy



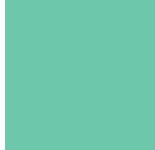
Original Color

42.3069, 72.6252, 50.8180



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.9858, 47.0003, 45.3109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3069, 72.6252, 50.8180 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(4, 252, 172)` looks like.

```
.text, #text, p{  
    color:rgb(4, 252, 172)  
}
```

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(4, 252, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 252, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.3069, 72.6252, 50.8180 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(4, 252, 172) }
```


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

```
.border{ border-color:rgb(4, 252, 172) }
```

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

Here you see how a box with a 4 pixel rgb(4, 252, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 252, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 252, 172);  
box-shadow:4px 4px 4px 4px rgb(4, 252,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3069, 72.6252, 50.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 252, 172) }
```

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

```
.background{ background-color: rgb(4, 252,  
172) }
```

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