

Converting Colors

XYZ(44.0890, 72.2829, 63.6992)

Have a look what the booklet for
XYZ(44.0890, 72.2829, 63.6992)
contains.

XYZ(44.1494, 72.3567, 63.8639)	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(44.1494, 72.3567,
63.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAC4
RGB	0, 250, 196
RGB Percent	0%, 98%, 77%
CMY	0.9998, 0.0196, 0.2314
CMYK	1.00, 0.00, 0.22, 0.02
HSL	167°, 100%, 49%
HSV	167°, 100%, 98%
XYZ	44.1494, 72.3567, 63.8639
YIQ	169.0940, -131.6660, -69.7940

Conversions

Conversions Part 2

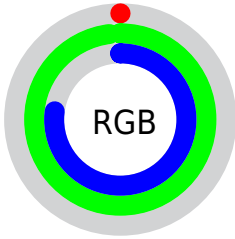
Format	Color
RYB	0, 140, 250
Decimal	64196
CIELab	88.14, -61.65, 12.14
CIELCh	88, 62.836, 168.864
Yxy	72.3567, 0.2448, 0.4012
Android (android.graphics.Color)	4278254276 (0xFF00FAC4)
YUV	169.0940, 13.2647, -148.2954
Hunter-Lab	85.0627, -56.2144, 15.0298

Details

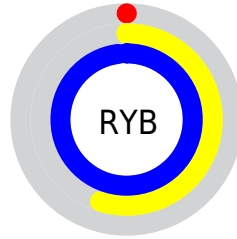
The XYZ color **44.1494, 72.3567, 63.8639** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **40.0931, 20.5924, 5.3570**, and the grayscale version is **37.7488, 39.7147, 43.2493**.

A 20% lighter version of the original color is **60.5599, 82.2567, 105.6138**, and **23.7321, 39.6523, 31.9940** is the 20% darker color. If you saturate the color by 10%, you get **44.1498, 72.3588, 63.8601**, and if you desaturate by 10%, it is **45.1789, 72.8169, 67.1813**.

Distribution



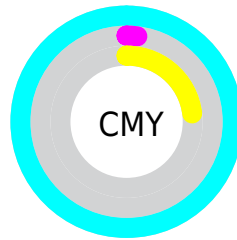
- Red (0%)
- Green (98%)
- Blue (77%)



- Red (0%)
- Yellow (55%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.1494, 72.3567, 63.8639 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 44.1494, 72.3567, 63.8639 by changing the saturation by 10% instead.


 44.1494, 72.3567,
63.8639


 44.1494, 72.3567,
63.8639


354.1595,
468.7822, 456.8920


 30.9864, 53.4501,
46.0950


 80.6875, 122.5635,
112.0125

 20.7403, 38.1622,
31.9716


 104.7932,
154.6326, 143.2292

 13.0457, 26.1086,
21.0751


 133.2773,
191.8579, 179.7657

 7.5372, 16.9049,
12.9872

 166.5050,
234.6238, 222.0403

 3.8496, 10.1667,
7.2891

 204.8417,
283.3148, 270.4717

 1.6174, 5.5096,
3.5624

248.6528,

 0.4037, 2.5493,

338.3153, 325.4784

1.3885

298.3036,
400.0096, 387.4790

■ 0.0000, 0.9012,
0.1327

■ 0.0000, 0.0000,
0.0000

■ 44.1494, 72.3567,
63.8639

■ 44.1494, 72.3567,
63.8639


■ 44.1498, 72.3588,
63.8601


■ 45.1789, 72.8169,
67.1813

■ 46.7429, 73.5483,
70.6388


■ 49.0015, 74.6351,
74.2467

■ 52.0506, 76.1268,
78.0106

 55.9710, 78.0650,
81.9355

 60.8331, 80.4861,
86.0257

 66.7001, 83.4224,
90.2853

 73.6295, 86.9037,
94.7182

 81.6747, 90.9574,
99.3277

Harmonies

Analogous

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



49.2338, 72.3567, 35.9365



44.1494, 72.3567, 63.8639



44.9033, 72.3567, 108.6667

Triad

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



44.1494, 72.3567, 63.8639



78.5396, 72.3567, 185.8370



89.5758, 72.3567, 31.4655

Complementary

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



44.1494, 72.3567, 63.8639



40.0931, 20.5924, 5.3570

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.



99.8830, 72.3567, 54.9533



44.1494, 72.3567, 63.8639



92.8984, 72.3567, 146.6861

Square

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



44.1494, 72.3567, 63.8639



63.3441, 72.3567, 190.9961



101.1805, 72.3567, 95.8641



74.5033, 72.3567, 22.3051

Rectangle

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



44.1494, 72.3567, 63.8639



48.6468, 72.3567, 142.9151



101.1805, 72.3567, 95.8641



93.8012, 72.3567, 37.4465

Sweetspot

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



44.1514, 72.3595, 63.8656



69.7373, 87.2451, 94.4181



35.7192, 69.1635, 11.4685



14.3444, 18.3823, 19.8022



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.



44.1514, 72.3595, 63.8656



46.1748, 75.6859, 66.7635



33.4129, 39.2156, 96.2540



17.5958, 19.5406, 21.3382



23.4731, 38.4023, 34.1645



2.2125, 3.5721, 3.3668

Inverse Universe

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



40.0931, 20.5924, 5.3570



41.9318, 21.5367, 5.5727



41.6706, 24.8141, 2.5945



17.3981, 17.2866, 18.6860



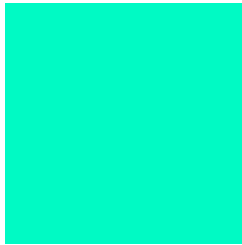
21.3081, 10.9390, 3.0649



2.0109, 1.0281, 0.4808

Previews

White Background



This preview shows how the XYZ color 44.1494, 72.3567, 63.8639 looks on a white background.

Color Contrast Check

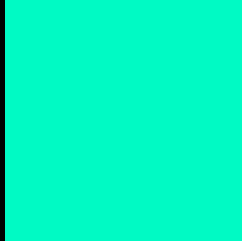
Large Text (above 18pt) WCAG AA × Fail

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 44.1494, 72.3567, 63.8639 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 44.1494, 72.3567, 63.8639

Background



This preview shows how black text looks on a background with the XYZ color 44.1494, 72.3567, 63.8639.



This preview shows how white text looks on a background with the XYZ color 44.1494, 72.3567, 63.8639.

Color Blindness Simulation

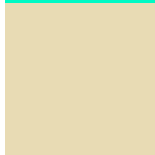
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



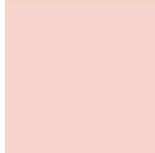
Original Color

44.1494, 72.3567, 63.8639



Protanopia

66.8484, 71.1141, 53.3831



Deuteranopia

72.1994, 70.5410, 66.9372



Tritanopia

55.5640, 71.9465, 105.5663

Trichromacy



Original Color

44.1494, 72.3567, 63.8639



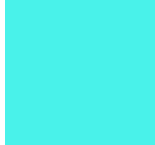
Protanomaly

49.3725, 66.4347, 56.6754



Deuteranomaly

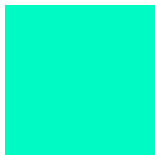
51.3725, 65.2356, 65.1425



Tritanomaly

49.3511, 70.8612, 88.9184

Monochromacy



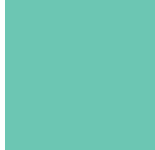
Original Color

44.1494, 72.3567, 63.8639



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.5151, 46.8310, 49.8680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1494, 72.3567, 63.8639 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, 250, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 196)  
}
```

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, 250, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 196) }
```

Border

The CSS property to change the border of an element to XYZ 44.1494, 72.3567, 63.8639 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, 250, 196) }
```


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

```
.border{ border-color:rgb(0, 250, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1494, 72.3567, 63.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 196) }
```

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

```
.background{ background-color: rgb(0, 250,  
196) }
```

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