

Converting Colors

XYZ(43.1826, 68.1036, 69.7008)

Have a look what the booklet for
XYZ(43.1826, 68.1036, 69.7008)
contains.

XYZ(43.2116, 68.1108, 69.9007)	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(43.2116, 68.1108,
69.9007)**

Conversions

Conversions Part 1

Format	Color
Hex	0FF2CF
RGB	15, 242, 207
RGB Percent	6%, 95%, 81%
CMY	0.9410, 0.0510, 0.1882
CMYK	0.94, 0.00, 0.14, 0.05
HSL	171°, 90%, 50%
HSV	171°, 94%, 95%
XYZ	43.2116, 68.1108, 69.9007
YIQ	170.1370, -124.0570, -59.0090

Conversions

Conversions Part 2

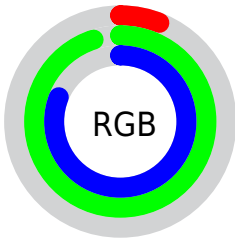
Format	Color
R_{YB}	15, 138, 242
Decimal	1045199
CIE _{Lab}	86.06, -55.46, 3.44
CIE _{LCh}	86, 55.563, 176.454
Yxy	68.1108, 0.2384, 0.3758
Android (android.graphics.Color)	4279235279 (0xFF0FF2CF)
YUV	170.1370, 18.1735, -136.0551
Hunter-Lab	82.5293, -50.9652, 7.5530

Details

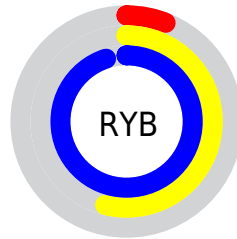
The XYZ color **43.2116, 68.1108, 69.9007** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.3671, 19.4512, 4.8068**, and the grayscale version is **38.2394, 40.2308, 43.8114**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **23.0987, 36.9978, 36.0609** is the 20% darker color. If you saturate the color by 10%, you get **42.7345, 67.8990, 68.4108**, and if you desaturate by 10%, it is **44.3234, 68.6322, 72.3645**.

Distribution



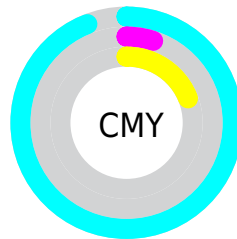
- Red (6%)
- Green (95%)
- Blue (81%)



- Red (6%)
- Yellow (54%)
- Blue (95%)



- Cyan (94%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)





- Cyan (94%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2116, 68.1108, 69.9007 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 43.2116, 68.1108, 69.9007 by changing the saturation by 10% instead.

 43.2116, 68.1108,
69.9007


 43.2116, 68.1108,
69.9007


350.3880,
453.8885, 478.9810


 30.2464, 49.9879,
50.9693


 79.2838, 116.5106,
120.7469


 20.1747, 35.4038,
35.8076


 103.1215,
147.5563, 153.4988


 12.6311, 23.9741,
23.9971


 131.3141,
183.6784, 191.6946

 7.2503, 15.3144,
15.1193

 164.2270,
225.2613, 235.7528

 3.6668, 9.0403,
8.7556

 202.2255,
272.6894, 286.0920

 1.5154, 4.7675,
4.4875

245.6749,

 0.3363, 2.1115,

326.3470, 343.1308

1.8964

294.9406,
386.6185, 407.2876

■ 0.0000, 0.6711,
0.4904

■ 0.0000, 0.0000,
0.0000

■ 43.2116, 68.1108,
69.9007

■ 43.2116, 68.1108,
69.9007

■ 42.7345, 67.8990,
68.4108

■ 44.3234, 68.6322,
72.3645

■ 46.0283, 69.4565,
74.9113

■ 48.4243, 70.6358,
77.5475

■ 51.5901, 72.2107,
80.2771

■ 55.5938, 74.2163,
83.1038

■ 60.4960, 76.6838,
86.0306

■ 66.3516, 79.6414,
89.0606

■ 73.2109, 83.1153,
92.1965

■ 81.1210, 87.1294,
95.4408

Harmonies

Analogous

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



46.3701, 68.1108, 41.7205



43.2116, 68.1108, 69.9007



45.1662, 68.1108, 110.0645

Triad

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



43.2116, 68.1108, 69.9007



76.2909, 68.1108, 156.5098



79.2602, 68.1108, 29.6682

Complementary

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



43.2116, 68.1108, 69.9007



37.3671, 19.4512, 4.8068

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.



89.2748, 68.1108, 47.0617



43.2116, 68.1108, 69.9007



87.4085, 68.1108, 120.1488

Square

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



43.2116, 68.1108, 69.9007



63.2321, 68.1108, 168.6942



92.4354, 68.1108, 78.5912



66.2662, 68.1108, 23.8213

Rectangle

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



43.2116, 68.1108, 69.9007



49.2661, 68.1108, 137.6223



92.4354, 68.1108, 78.5912



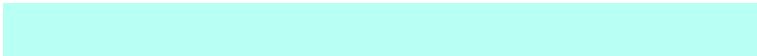
83.1493, 68.1108, 34.0069

Sweetspot

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



43.2135, 68.1134, 69.9023



71.7589, 88.1920, 98.8199



33.3007, 64.2943, 11.1082



14.7635, 18.5759, 20.8371



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.



43.2135, 68.1134, 69.9023



48.1127, 76.4611, 76.9685



29.9247, 33.9119, 88.9758



16.1365, 17.8846, 19.7417



22.9980, 36.4912, 36.9679



1.9412, 3.0469, 3.2228

Inverse Universe

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



37.3671, 19.4512, 4.8068



41.6116, 21.4086, 3.8869



40.4205, 26.3420, 3.4074



15.8722, 15.7986, 16.8830



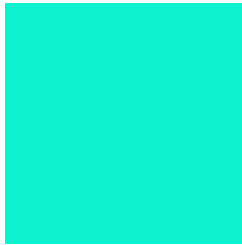
19.8848, 10.2264, 2.0442



1.6839, 0.8626, 0.3262

Previews

White Background



This preview shows how the XYZ color 43.2116, 68.1108, 69.9007 looks on a white background.

Color Contrast Check

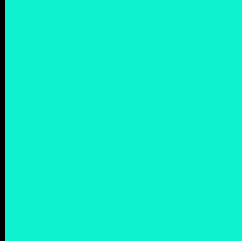
Large Text (above 18pt) WCAG AA × Fail

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 43.2116, 68.1108, 69.9007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

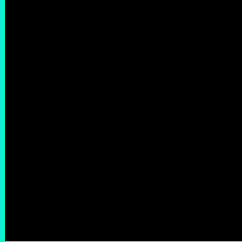
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

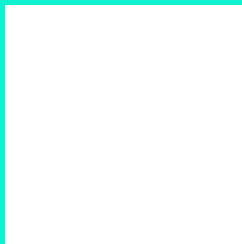
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.2116, 68.1108, 69.9007

Background



This preview shows how black text looks on a background with the XYZ color 43.2116, 68.1108, 69.9007.

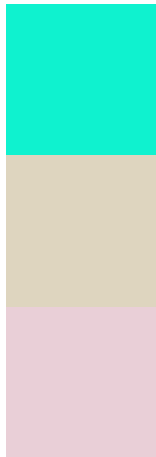


This preview shows how white text looks on a background with the XYZ color 43.2116, 68.1108,

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

43.2116, 68.1108, 69.9007

Protanopia

63.3224, 66.8797, 58.8618

Deuteranopia

68.1828, 66.8556, 73.6008



Tritanopia

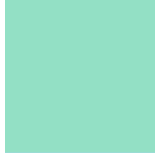
49.9816, 67.8014, 104.2186

Trichromacy



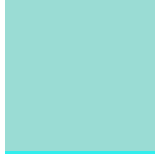
Original Color

43.2116, 68.1108, 69.9007



Protanomaly

48.7663, 63.5456, 62.5186



Deuteranomaly

50.8033, 62.8099, 71.7333



Tritanomaly

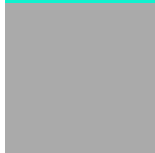
47.1272, 67.9165, 90.7461

Monochromacy



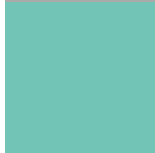
Original Color

43.2116, 68.1108, 69.9007



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.2266, 46.4762, 51.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2116, 68.1108, 69.9007 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(15, 242, 207)` looks like.

```
.text, #text, p{  
    color:rgb(15, 242, 207)  
}
```

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(15, 242, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 242, 207) }
```

Border

The CSS property to change the border of an element to XYZ 43.2116, 68.1108, 69.9007 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(15, 242, 207) }
```


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

```
.border{ border-color:rgb(15, 242, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 242, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 242, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 242, 207);  
box-shadow:4px 4px 4px 4px rgb(15, 242,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2116, 68.1108, 69.9007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 242, 207) }
```

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

```
.background{ background-color: rgb(15, 242,  
207) }
```

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