

Converting Colors

XYZ(44.4263, 69.2957, 79.5567)

Have a look what the booklet for
XYZ(44.4263, 69.2957, 79.5567)
contains.

XYZ(45.4018, 69.9218, 79.5100)	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(45.4018, 69.9218,
79.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	00F4DD
RGB	0, 244, 221
RGB Percent	0%, 96%, 87%
CMY	0.9998, 0.0431, 0.1333
CMYK	1.00, 0.00, 0.09, 0.04
HSL	174°, 100%, 48%
HSV	174°, 100%, 96%
XYZ	45.4018, 69.9218, 79.5100
YIQ	168.4220, -138.0410, -58.8810

Conversions

Conversions Part 2

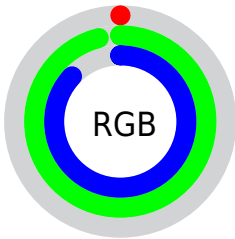
Format	Color
RYB	0, 128, 244
Decimal	62685
CIELab	86.96, -52.93, -2.59
CIELCh	87, 52.995, 182.798
Yxy	69.9218, 0.2330, 0.3589
Android (android.graphics.Color)	4278252765 (0xFF00F4DD)
YUV	168.4220, 25.9210, -147.7061
Hunter-Lab	83.6193, -49.4156, 2.1571

Details

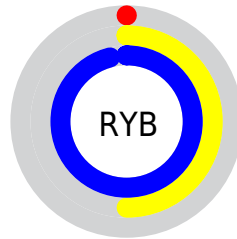
The XYZ color **45.4018, 69.9218, 79.5100** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.4653, 19.2970, 2.5635**, and the grayscale version is **37.3605, 39.3062, 42.8044**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.6533, 38.2938, 42.1685** is the 20% darker color. If you saturate the color by 10%, you get **45.4025, 69.9238, 79.5082**, and if you desaturate by 10%, it is **46.0994, 70.2474, 81.1555**.

Distribution



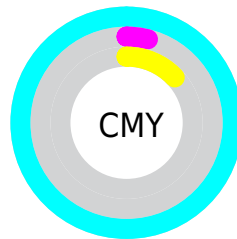
- Red (0%)
- Green (96%)
- Blue (87%)



- Red (0%)
- Yellow (50%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4018, 69.9218, 79.5100 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 45.4018, 69.9218, 79.5100 by changing the saturation by 10% instead.

 45.4018, 69.9218,
79.5100


 45.4018, 69.9218,
79.5100


359.1548,
460.2754, 512.9431


 31.9767, 51.4628,
58.7914


 82.5564, 119.0972,
134.4818


 21.4991, 36.5770,
42.0263

 107.0165,
150.5824, 169.5720


 13.6039, 24.8802,
28.7962


 135.8857,
187.1785, 210.2899

 7.9255, 15.9878,
18.6824

 169.5293,
229.2698, 257.0540

 4.0987, 9.5155,
11.2666

 208.3127,
277.2407, 310.2829

 1.7581, 5.0789,
6.1300

252.6011,

 0.4923, 2.2937,

331.4757, 370.3950

2.8542

302.7601,
392.3591, 437.8089

■ 0.0000, 0.7703,
1.0207

■ 0.0000, 0.0000,
0.0000

■ 45.4018, 69.9218,
79.5100

■ 45.4018, 69.9218,
79.5100

■ 45.4025, 69.9238,
79.5082

■ 46.0994, 70.2474,
81.1555

■ 47.2844, 70.8221,
82.8443

■ 49.1089, 71.7260,
84.5851

■ 51.6632, 73.0057,
86.3822

■ 55.0229, 74.7001,
88.2393

■ 59.2542, 76.8433,
90.1595

■ 64.4165, 79.4659,
92.1458

■ 70.5638, 82.5958,
94.2006

■ 77.7461, 86.2588,
96.3265

Harmonies

Analogous

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



47.4525, 69.9218, 49.0231



45.4018, 69.9218, 79.5100



48.3869, 69.9218, 119.3628

Triad

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



45.4018, 69.9218, 79.5100



80.2074, 69.9218, 149.0365



77.9473, 69.9218, 30.1653

Complementary

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



45.4018, 69.9218, 79.5100



37.4653, 19.2970, 2.5635

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.



88.5481, 69.9218, 44.8488



45.4018, 69.9218, 79.5100



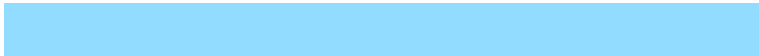
89.9627, 69.9218, 111.7506

Square

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



45.4018, 69.9218, 79.5100



67.6275, 69.9218, 166.5648



93.1881, 69.9218, 72.8529



65.3032, 69.9218, 26.3172

Rectangle

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



45.4018, 69.9218, 79.5100



53.0775, 69.9218, 144.3823



93.1881, 69.9218, 72.8529



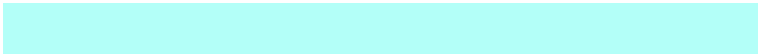
81.9185, 69.9218, 33.7129

Sweetspot

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



45.4038, 69.9245, 79.5117



71.1453, 87.8083, 101.8327



32.7395, 64.9034, 10.8036



14.6850, 18.5186, 21.5959



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.



45.4038, 69.9245, 79.5117



50.1777, 77.2871, 87.8423



26.6746, 27.2207, 89.4391



16.9254, 18.7293, 20.8914



24.7143, 38.0306, 43.3767



2.1914, 3.3502, 3.9138

Inverse Universe

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



37.4653, 19.2970, 2.5635



41.4053, 21.3261, 2.8006



41.6432, 27.9007, 3.1920



16.5626, 16.5079, 17.4432



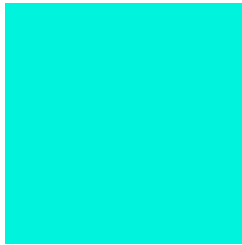
20.3917, 10.5001, 1.5052



1.8133, 0.9313, 0.2430

Previews

White Background



This preview shows how the XYZ color 45.4018, 69.9218, 79.5100 looks on a white background.

Color Contrast Check

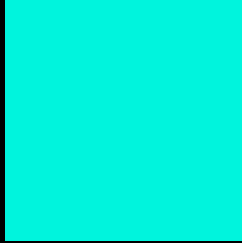
Large Text (above 18pt) WCAG AA × Fail

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 45.4018, 69.9218, 79.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

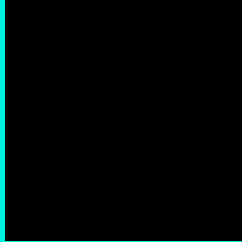
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

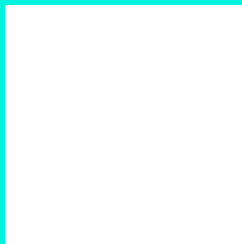
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4018, 69.9218, 79.5100

Background



This preview shows how black text looks on a background with the XYZ color 45.4018, 69.9218, 79.5100.

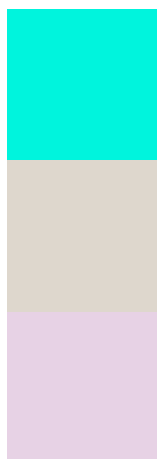


This preview shows how white text looks on a background with the XYZ color 45.4018, 69.9218,

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

45.4018, 69.9218, 79.5100

Protanopia

65.4441, 68.5383, 67.5375

Deuteranopia

70.1444, 68.7393, 83.6997



Tritanopia

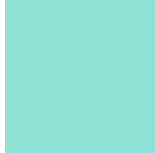
52.2647, 69.8146, 105.3287

Trichromacy



Original Color

45.4018, 69.9218, 79.5100



Protanomaly

49.9387, 64.7586, 71.4956



Deuteranomaly

51.8814, 63.9366, 81.5581



Tritanomaly

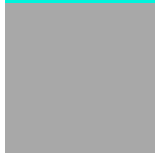
48.9133, 69.6035, 95.6508

Monochromacy



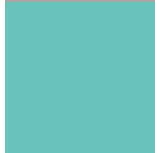
Original Color

45.4018, 69.9218, 79.5100



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.7730, 46.1935, 54.0972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4018, 69.9218, 79.5100 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, 244, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 221)  
}
```

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, 244, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.4018, 69.9218, 79.5100 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, 244, 221) }
```


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

```
.border{ border-color:rgb(0, 244, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 244, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4018, 69.9218, 79.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 221) }
```

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

```
.background{ background-color: rgb(0, 244,  
221) }
```

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