

Converting Colors

XYZ(47.3816, 73.8445, 72.0778)

Have a look what the booklet for
XYZ(47.3816, 73.8445, 72.0778)
contains.

XYZ(47.3816, 73.8445, 72.0778)	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(47.3816, 73.8445,
72.0778)**

Conversions

Conversions Part 1

Format	Color
Hex	39FAD1
RGB	57, 250, 209
RGB Percent	22%, 98%, 82%
CMY	0.7764, 0.0196, 0.1804
CMYK	0.77, 0.00, 0.16, 0.02
HSL	167°, 95%, 60%
HSV	167°, 77%, 98%
XYZ	47.3816, 73.8445, 72.0778
YIQ	187.6190, -101.8670, -53.6670

Conversions

Conversions Part 2

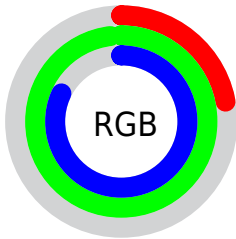
Format	Color
RYB	57, 165, 250
Decimal	3799761
CIELab	88.85, -55.48, 6.47
CIELCh	89, 55.856, 173.350
Yxy	73.8445, 0.2451, 0.3820
Android (android.graphics.Color)	4281989841 (0xFF39FAD1)
YUV	187.6190, 10.5408, -114.5529
Hunter-Lab	85.9328, -51.9612, 10.4224

Details

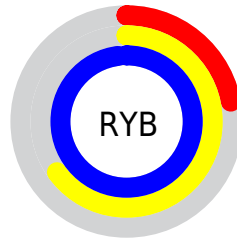
The XYZ color **47.3816, 73.8445, 72.0778** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.0946, 24.1342, 13.9455**, and the grayscale version is **47.5702, 50.0475, 54.5018**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **24.7660, 40.0658, 37.4385** is the 20% darker color. If you saturate the color by 10%, you get **45.6448, 73.0257, 68.6221**, and if you desaturate by 10%, it is **49.8452, 75.0391, 75.6853**.

Distribution



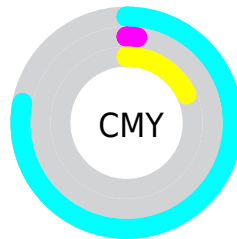
- Red (22%)
- Green (98%)
- Blue (82%)



- Red (22%)
- Yellow (65%)
- Blue (98%)



- Cyan (77%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (78%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3816, 73.8445, 72.0778 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 47.3816, 73.8445, 72.0778 by changing the saturation by 10% instead.


 47.3816, 73.8445,
72.0778


 47.3816, 73.8445,
72.0778


366.9592,
473.9365, 486.7972


 33.5466, 54.6668,
52.7350


 85.4982, 124.6754,
123.8759


 22.7068, 39.1350,
37.2050


 110.5106,
157.0973, 157.1683

 14.4966, 26.8648,
25.0692


 139.9795,
194.7027, 195.9476

 8.5509, 17.4717,
15.9091

 174.2703,
237.8761, 240.6324

 4.5042, 10.5714,
9.3062

213.7483,
287.0017, 291.6412

 1.9911, 5.7794,
4.8419

258.7789,

 0.6290, 2.7114,

342.4641, 349.3926

2.0977

309.7274,
404.6476, 414.3050

■ 0.0000, 0.9830,
0.6144

■ 0.0000, 0.0000,
0.0000

■ 47.3816, 73.8445,
72.0778

■ 47.3816, 73.8445,
72.0778

■ 45.6448, 73.0257,
68.6221

■ 49.8452, 75.0391,
75.6853


■ 44.5114, 72.5136,
65.3063


■ 53.1203, 76.6476,
79.4447


■ 44.2522, 72.3998,
64.3994


■ 57.2864, 78.7129,
83.3624


■ 62.4117, 81.2701,
87.4426

 68.5576, 84.3508,
91.6894

 75.7805, 87.9841,
96.1062

 84.1325, 92.1967,
100.6967

 92.9173, 96.6298,
105.4291

 93.4768, 96.8536,
108.3756

Harmonies

Analogous

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



51.3101, 73.8445, 43.6158



47.3816, 73.8445, 72.0778



48.9029, 73.8445, 113.7086

Triad

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



47.3816, 73.8445, 72.0778



81.0148, 73.8445, 170.0774



86.8957, 73.8445, 34.2070

Complementary

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



47.3816, 73.8445, 72.0778



43.0946, 24.1342, 13.9455

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.



96.8933, 73.8445, 54.3345



47.3816, 73.8445, 72.0778



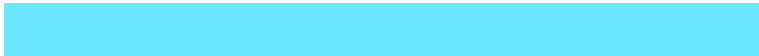
93.2045, 73.8445, 133.6039

Square

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



47.3816, 73.8445, 72.0778



67.2160, 73.8445, 179.4770



99.3388, 73.8445, 89.3481



73.2442, 73.8445, 26.7707

Rectangle

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



47.3816, 73.8445, 72.0778



52.9128, 73.8445, 143.1838



99.3388, 73.8445, 89.3481



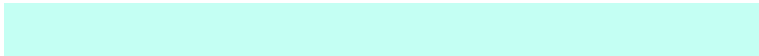
90.8627, 73.8445, 39.3270

Sweetspot

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



47.3837, 73.8474, 72.0795



74.7243, 89.7460, 97.8143



40.0522, 71.3120, 15.5260



15.4328, 18.9273, 20.5823



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.



47.3837, 73.8474, 72.0795



46.9799, 76.0365, 69.7158



38.5314, 46.9475, 97.4766



17.5986, 19.5417, 21.3528



23.5269, 38.4238, 34.4474



2.2170, 3.5739, 3.3908

Inverse Universe

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



43.0946, 24.1342, 13.9455



42.5044, 22.1080, 7.5333



45.9248, 32.1408, 7.6556



17.3955, 17.2855, 18.6723



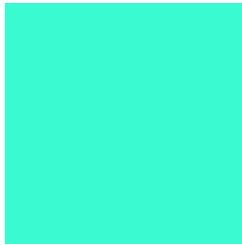
21.2965, 10.9343, 3.0036



2.0095, 1.0275, 0.4733

Previews

White Background



This preview shows how the XYZ color 47.3816, 73.8445, 72.0778 looks on a white background.

Color Contrast Check

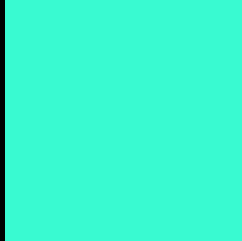
Large Text (above 18pt) WCAG AA × Fail

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 47.3816, 73.8445, 72.0778 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 47.3816, 73.8445, 72.0778

Background



This preview shows how black text looks on a background with the XYZ color 47.3816, 73.8445, 72.0778.

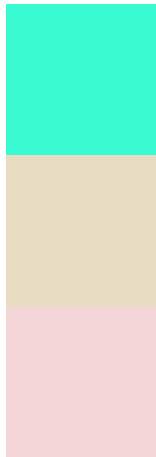


This preview shows how white text looks on a background with the XYZ color 47.3816, 73.8445,

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

47.3816, 73.8445, 72.0778

Protanopia

68.1738, 72.0256, 60.7613

Deuteranopia

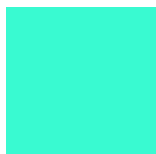
73.8792, 72.3360, 75.7140



Tritanopia

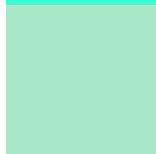
57.8186, 73.5422, 105.7554

Trichromacy



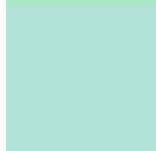
Original Color

47.3816, 73.8445, 72.0778



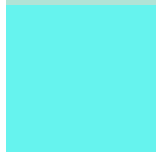
Protanomaly

55.0332, 69.6002, 64.5665



Deuteranomaly

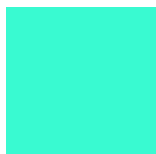
57.5112, 69.0233, 73.9100



Tritanomaly

52.9627, 73.0990, 92.2070

Monochromacy



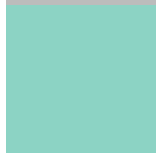
Original Color

47.3816, 73.8445, 72.0778



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0733, 56.1495, 60.7396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3816, 73.8445, 72.0778 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(57, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(57, 250, 209)  
}
```

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(57, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 250, 209) }
```

Border

The CSS property to change the border of an element to XYZ 47.3816, 73.8445, 72.0778 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(57, 250, 209) }
```


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

```
.border{ border-color:rgb(57, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(57, 250,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3816, 73.8445, 72.0778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 250, 209) }
```

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

```
.background{ background-color: rgb(57, 250,  
209) }
```

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