

Converting Colors

XYZ(43.3505, 68.4081, 64.8042)

Have a look what the booklet for
XYZ(43.3505, 68.4081, 64.8042)
contains.

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Color

**XYZ(43.3276, 68.2808,
64.9287)**

Conversions

Conversions Part 1

Format	Color
Hex	31F2C7
RGB	49, 242, 199
RGB Percent	19%, 95%, 78%
CMY	0.8078, 0.0510, 0.2196
CMYK	0.80, 0.00, 0.18, 0.05
HSL	167°, 88%, 57%
HSV	167°, 80%, 95%
XYZ	43.3276, 68.2808, 64.9287
YIQ	179.3910, -101.2250, -54.2890

Conversions

Conversions Part 2

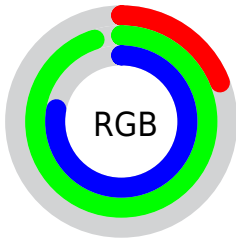
Format	Color
RYB	49, 158, 242
Decimal	3273415
CIELab	86.15, -55.48, 7.77
CIELCh	86, 56.020, 172.023
Yxy	68.2808, 0.2454, 0.3868
Android (android.graphics.Color)	4281463495 (0xFF31F2C7)
YUV	179.3910, 9.6672, -114.3529
Hunter-Lab	82.6322, -51.0111, 11.2551

Details

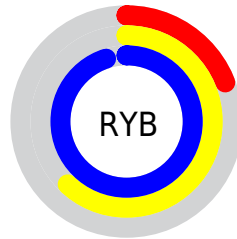
The XYZ color **43.3276, 68.2808, 64.9287** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **39.6505, 21.8485, 12.2557**, and the grayscale version is **43.0478, 45.2896, 49.3204**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **22.4598, 36.7423, 32.6963** is the 20% darker color. If you saturate the color by 10%, you get **41.8434, 67.5884, 61.6499**, and if you desaturate by 10%, it is **45.4635, 69.3099, 68.3569**.

Distribution



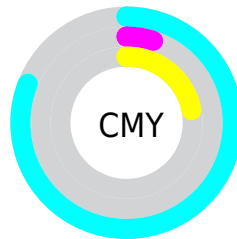
- Red (19%)
- Green (95%)
- Blue (78%)



- Red (19%)
- Yellow (62%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3276, 68.2808, 64.9287 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 43.3276, 68.2808, 64.9287 by changing the saturation by 10% instead.


 43.3276, 68.2808,
64.9287


 43.3276, 68.2808,
64.9287


350.8560,
454.4903, 460.8349


 30.3379, 50.1262,
46.9523


 79.4576, 116.7538,
113.5596

 20.2445, 35.5137,
32.6439


 103.3286,
147.8409, 145.0512

 12.6822, 24.0588,
21.5849


 131.5574,
184.0077, 181.8850

 7.2856, 15.3773,
13.3568

 164.5094,
225.6386, 224.4794

 3.6892, 9.0846,
7.5411

202.5499,
273.1179, 273.2531

 1.5279, 4.7964,
3.7192

246.0443,

 0.3447, 2.1283,

326.8300, 328.6246

1.4726

295.3578,
387.1593, 391.0123

■ 0.0000, 0.6805,
0.1974

■ 0.0000, 0.0000,
0.0000

■ 43.3276, 68.2808,
64.9287

■ 43.3276, 68.2808,
64.9287

■ 41.8434, 67.5884,
61.6499

■ 45.4635, 69.3099,
68.3569


■ 40.8615, 67.1507,
58.5077


■ 48.3334, 70.7132,
71.9349


■ 40.8391, 67.1409,
58.4299


■ 52.0134, 72.5314,
75.6690


■ 56.5682, 74.7981,
79.5633

 62.0562, 77.5431,
83.6217

 68.5305, 80.7939,
87.8477

 76.0401, 84.5757,
92.2447

 84.6307, 88.9120,
96.8159

 89.8641, 91.5149,
101.3548

Harmonies

Analogous

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



47.2649, 68.2808, 38.6773



43.3276, 68.2808, 64.9287



44.5363, 68.2808, 104.2487

Triad

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



43.3276, 68.2808, 64.9287



74.6381, 68.2808, 161.4161



81.3671, 68.2808, 31.2726

Complementary

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



43.3276, 68.2808, 64.9287



39.6505, 21.8485, 12.2557

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.



90.6789, 68.2808, 50.7900



43.3276, 68.2808, 64.9287



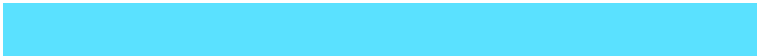
86.4497, 68.2808, 127.1053

Square

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



43.3276, 68.2808, 64.9287



61.5214, 68.2808, 169.0624



92.6525, 68.2808, 84.6329



68.3978, 68.2808, 23.8951

Rectangle

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



43.3276, 68.2808, 64.9287



48.1807, 68.2808, 132.6704



92.6525, 68.2808, 84.6329



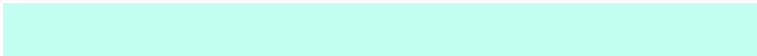
85.0959, 68.2808, 36.2482

Sweetspot

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



43.3295, 68.2835, 64.9303



73.8884, 89.3355, 96.8533



36.9285, 66.1104, 13.7213



15.2673, 18.8465, 20.3682



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.



43.3295, 68.2835, 64.9303



46.3662, 75.7772, 67.1051



35.8253, 44.1253, 90.6363



16.0878, 17.8652, 19.4854



21.9920, 36.0888, 31.6707



1.8662, 3.0169, 2.8276

Inverse Universe

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



39.6505, 21.8485, 12.2557



42.2975, 21.8601, 6.9526



41.7769, 28.3058, 6.1687



15.9170, 15.8165, 17.1191



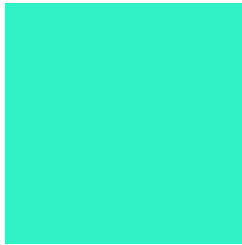
20.0701, 10.3005, 3.0199



1.7059, 0.8714, 0.4424

Previews

White Background



This preview shows how the XYZ color 43.3276, 68.2808, 64.9287 looks on a white background.

Color Contrast Check

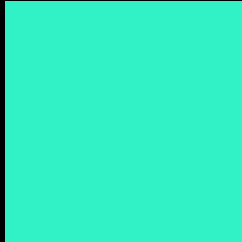
Large Text (above 18pt) WCAG AA × Fail

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 43.3276, 68.2808, 64.9287 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 43.3276, 68.2808, 64.9287

Background



This preview shows how black text looks on a background with the XYZ color 43.3276, 68.2808, 64.9287.



This preview shows how white text looks on a background with the XYZ color 43.3276, 68.2808,

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

43.3276, 68.2808, 64.9287

Protanopia

63.1864, 66.8965, 54.9294

Deuteranopia

68.2588, 66.6521, 68.2990



Tritanopia

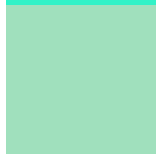
50.9684, 67.8862, 104.1830

Trichromacy



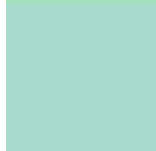
Original Color

43.3276, 68.2808, 64.9287



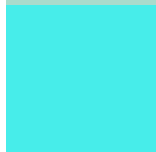
Protanomaly

50.3382, 64.4590, 57.9328



Deuteranomaly

52.5928, 63.4577, 66.6034



Tritanomaly

47.7340, 67.8485, 88.4221

Monochromacy



Original Color

43.3276, 68.2808, 64.9287



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.4992, 50.6918, 54.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3276, 68.2808, 64.9287 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(49, 242, 199)` looks like.

```
.text, #text, p{  
  color:rgb(49, 242, 199)  
}
```

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(49, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 199) }
```

Border

The CSS property to change the border of an element to XYZ 43.3276, 68.2808, 64.9287 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(49, 242, 199) }
```


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

```
.border{ border-color:rgb(49, 242, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3276, 68.2808, 64.9287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 199) }
```

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

```
.background{ background-color: rgb(49, 242,  
199) }
```

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](#).

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