

Converting Colors

XYZ(47.4270, 75.8991, 65.3916)

Have a look what the booklet for
XYZ(47.4270, 75.8991, 65.3916)
contains.

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Color

**XYZ(47.4385, 75.8906,
65.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFEC6
RGB	59, 254, 198
RGB Percent	23%, 100%, 78%
CMY	0.7686, 0.0039, 0.2235
CMYK	0.77, 0.00, 0.22, 0.00
HSL	163°, 99%, 61%
HSV	163°, 77%, 100%
XYZ	47.4385, 75.8906, 65.5742
YIQ	189.3110, -98.2440, -58.7560

Conversions

Conversions Part 2

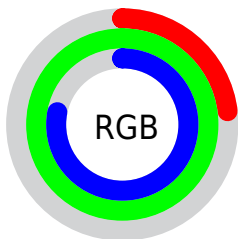
Format	Color
RYB	59, 173, 254
Decimal	3931846
CIELab	89.81, -59.46, 13.53
CIELCh	90, 60.978, 167.179
Yxy	75.8906, 0.2511, 0.4017
Android (android.graphics.Color)	4282121926 (0xFF3BFEC6)
YUV	189.3110, 4.2837, -114.2827
Hunter-Lab	87.1152, -55.2496, 16.3513

Details

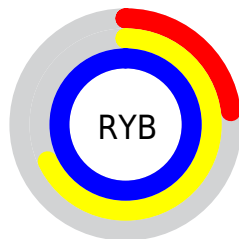
The XYZ color **47.4385, 75.8906, 65.5742** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.5341, 25.4386, 18.7333**, and the grayscale version is **48.5669, 51.0962, 55.6438**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **24.7740, 41.4935, 33.0889** is the 20% darker color. If you saturate the color by 10%, you get **45.4617, 74.9683, 61.1958**, and if you desaturate by 10%, it is **50.1914, 77.2121, 70.2039**.

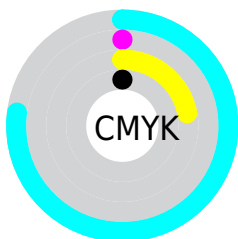
Distribution



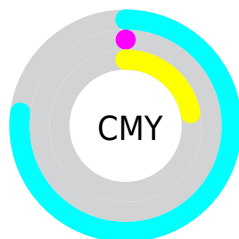
- Red (23%)
- Green (100%)
- Blue (78%)



- Red (23%)
- Yellow (68%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4385, 75.8906, 65.5742 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 47.4385, 75.8906, 65.5742 by changing the saturation by 10% instead.


 47.4385, 75.8906,
65.5742


 47.4385, 75.8906,
65.5742


367.1819,
480.9731, 463.2151


 33.5918, 56.3428,
47.4725


 85.5826, 127.5723,
114.4961


 22.7416, 40.4778,
33.0523


 110.6107,
160.4749, 146.1535

 14.5225, 27.9113,
21.8951


 140.0966,
198.5980, 183.1665

 8.5691, 18.2588,
13.5823

 174.4058,
242.3258, 225.9537

 4.5160, 11.1360,
7.6953

213.9036,
292.0429, 274.9336

 1.9980, 6.1584,
3.8156

258.9553,

 0.6328, 2.9416,

348.1335, 330.5248

1.5248

309.9263,
410.9821, 393.1458

■ 0.0000, 1.1013,
0.2363

■ 0.0000, 0.0000,
0.0000

■ 47.4385, 75.8906,
65.5742

■ 47.4385, 75.8906,
65.5742

■ 45.4617, 74.9683,
61.1958

■ 50.1914, 77.2121,
70.2039

■ 44.1361, 74.3752,
57.0548

■ 53.8084, 78.9724,
75.0868

■ 43.7892, 74.2246,
55.7644

■ 58.3720, 81.2159,
80.2314

■ 63.9530, 83.9790,
85.6436

70.6155, 87.2947,
91.3292

78.4180, 91.1931,
97.2937

87.4148, 95.7021,
103.5421

94.7331, 99.3662,
108.7944

Harmonies

Analogous

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



52.9234, 75.8906, 38.1372



47.4385, 75.8906, 65.5742



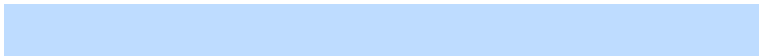
47.8704, 75.8906, 109.6006

Triad

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



47.4385, 75.8906, 65.5742



81.0189, 75.8906, 189.7685



93.6391, 75.8906, 35.5382

Complementary

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



47.4385, 75.8906, 65.5742



45.5341, 25.4386, 18.7333

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.



103.4550, 75.8906, 60.4955



47.4385, 75.8906, 65.5742



95.5023, 75.8906, 152.7194

Square

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



47.4385, 75.8906, 65.5742



65.8998, 75.8906, 192.6208



104.1808, 75.8906, 102.4176



78.7447, 75.8906, 25.3091

Rectangle

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



47.4385, 75.8906, 65.5742



51.4480, 75.8906, 143.5004



104.1808, 75.8906, 102.4176



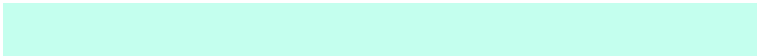
97.7270, 75.8906, 41.9923

Sweetspot

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



47.4406, 75.8936, 65.5760



74.0716, 89.4850, 94.3774



43.6373, 75.0192, 16.3192



15.2732, 18.8634, 19.7419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

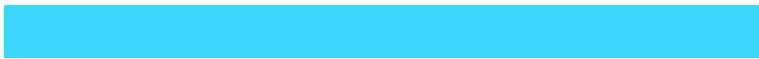
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.4406, 75.8936, 65.5760



45.0933, 75.2876, 59.5198



43.9960, 56.6896, 102.3926



18.3194, 20.3873, 21.9848



23.1523, 39.1575, 29.7512



2.3015, 3.8315, 3.1457

Inverse Universe

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



45.5341, 25.4386, 18.7333



43.2495, 22.4754, 11.2427



46.0327, 30.1244, 7.5274



18.2239, 18.0729, 19.7960



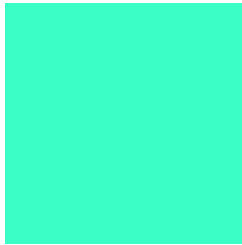
22.2366, 11.3839, 4.6305



2.2099, 1.1263, 0.6865

Previews

White Background



This preview shows how the XYZ color 47.4385, 75.8906, 65.5742 looks on a white background.

Color Contrast Check

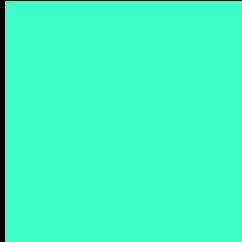
Large Text (above 18pt) WCAG AA × Fail

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 47.4385, 75.8906, 65.5742 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 47.4385, 75.8906, 65.5742

Background



This preview shows how black text looks on a background with the XYZ color 47.4385, 75.8906, 65.5742.

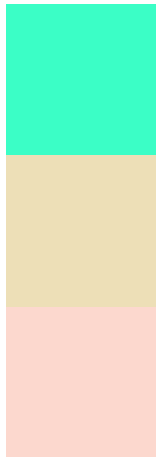


This preview shows how white text looks on a background with the XYZ color 47.4385, 75.8906,

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

47.4385, 75.8906, 65.5742

Protanopia

69.8600, 74.1988, 55.4395

Deuteranopia

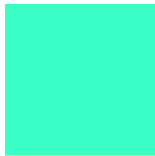
75.8413, 74.2634, 68.7295



Tritanopia

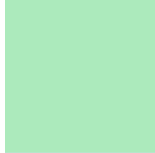
60.5378, 75.3798, 105.9668

Trichromacy



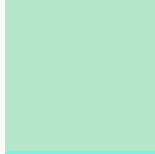
Original Color

47.4385, 75.8906, 65.5742



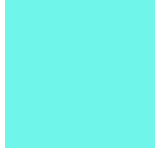
Protanomaly

55.5132, 71.2471, 58.4032



Deuteranomaly

58.3677, 70.8505, 67.0991



Tritanomaly

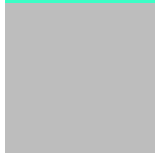
54.1858, 74.6901, 89.4026

Monochromacy



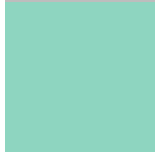
Original Color

47.4385, 75.8906, 65.5742



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.4640, 57.1451, 58.5558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4385, 75.8906, 65.5742 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(59, 254, 198)` looks like.

```
.text, #text, p{  
    color:rgb(59, 254, 198)  
}
```

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(59, 254, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 254, 198) }
```

Border

The CSS property to change the border of an element to XYZ 47.4385, 75.8906, 65.5742 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(59, 254, 198) }
```


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

```
.border{ border-color:rgb(59, 254, 198) }
```

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

Here you see how a box with a 4 pixel rgb(59, 254, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 254, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 254, 198);  
box-shadow:4px 4px 4px 4px rgb(59, 254,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4385, 75.8906, 65.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 254, 198) }
```

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

```
.background{ background-color: rgb(59, 254,  
198) }
```

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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