

Converting Colors

XYZ(48.2894, 75.9743, 72.5212)

Have a look what the booklet for
XYZ(48.2894, 75.9743, 72.5212)
contains.

| | |
|--|----|
| XYZ(48.4186, 76.2440, 72.4862) | 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(48.4186, 76.2440,
72.4862)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 35FED1 |
| RGB | 53, 254, 209 |
| RGB Percent | 21%, 100%, 82% |
| CMY | 0.7921, 0.0039, 0.1804 |
| CMYK | 0.79, 0.00, 0.18, 0.00 |
| HSL | 167°, 99%, 60% |
| HSV | 167°, 79%, 100% |
| XYZ | 48.4186, 76.2440, 72.4862 |
| YIQ | 188.7710, -105.3510, -56.6070 |

Conversions

Conversions Part 2

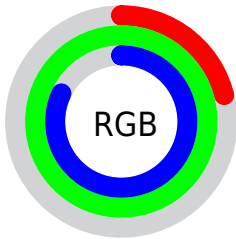
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 53, 166, 254 |
| Decimal | 3538641 |
| CIE Lab | 89.97, -57.45, 8.08 |
| CIE LCh | 90, 58.017, 171.997 |
| Yxy | 76.2440, 0.2456, 0.3867 |
| Android (android.graphics.Color) | 4281728721 (0xFF35FED1) |
| YUV | 188.7710, 9.9729, -119.0712 |
| Hunter-Lab | 87.3178, -53.8261, 11.9033 |

Details

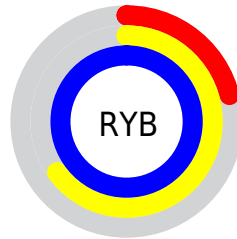
The XYZ color **48.4186, 76.2440, 72.4862** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.3533, 24.5008, 13.9498**, and the grayscale version is **48.2296, 50.7413, 55.2573**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.6563, 41.8464, 37.7353** is the 20% darker color. If you saturate the color by 10%, you get **46.7285, 75.4545, 68.7982**, and if you desaturate by 10%, it is **50.8446, 77.4137, 76.3433**.

Distribution



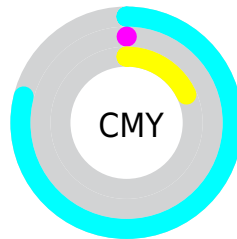
- Red (21%)
- Green (100%)
- Blue (82%)



- Red (21%)
- Yellow (65%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4186, 76.2440, 72.4862 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 48.4186, 76.2440, 72.4862 by changing the saturation by 10% instead.

 48.4186, 76.2440,
72.4862


 48.4186, 76.2440,
72.4862


371.0040,
482.1825, 488.2551


 34.3711, 56.6326,
53.0667


 87.0333, 128.0718,
124.4617

 23.3431, 40.7103,
37.4679


 112.3312,
161.0569, 157.8547

 14.9691, 28.0928,
25.2714


 142.1099,
199.2688, 196.7427

 8.8839, 18.3956,
16.0585

 176.7349,
243.0917, 241.5441

 4.7220, 11.2344,
9.4107

216.5714,
292.9102, 292.6775

 2.1182, 6.2247,
4.9096

261.9849,

 0.6991, 2.9822,

349.1086, 350.5614

2.1365

313.3406,
412.0712, 415.6144

■ 0.0000, 1.1225,
0.6374

■ 0.0000, 0.0000,
0.0000

■ 48.4186, 76.2440,
72.4862

■ 48.4186, 76.2440,
72.4862

■ 46.7285, 75.4545,
68.7982

■ 50.8446, 77.4137,
76.3433

■ 45.6209, 74.9606,
65.2656

■ 54.0983, 79.0053,
80.3699

■ 45.5364, 74.9236,
64.9650

■ 58.2647, 81.0644,
84.5732

■ 63.4163, 83.6285,
88.9577

■ 69.6184, 86.7310,
93.5278

■ 76.9304, 90.4027,
98.2875

■ 85.4073, 94.6719,
103.2407

94.6525, 99.3340,
108.3699

94.7331, 99.3663,
108.7944

Harmonies

Analogous

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



52.8142, 76.2440, 43.2250



48.4186, 76.2440, 72.4862



49.7616, 76.2440, 116.3000

Triad

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



48.4186, 76.2440, 72.4862



83.3102, 76.2440, 180.0482



90.8332, 76.2440, 34.9934

Complementary

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



48.4186, 76.2440, 72.4862



44.3533, 24.5008, 13.9498

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.



101.2040, 76.2440, 56.7794



48.4186, 76.2440, 72.4862



96.4764, 76.2440, 141.8472

Square

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



48.4186, 76.2440, 72.4862



68.6908, 76.2440, 188.5333



103.3951, 76.2440, 94.5208



76.3804, 76.2440, 26.7487

Rectangle

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



48.4186, 76.2440, 72.4862



53.8223, 76.2440, 147.9675



103.3951, 76.2440, 94.5208



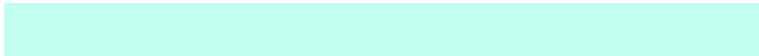
94.9871, 76.2440, 40.5496

Sweetspot

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



48.4207, 76.2470, 72.4880



73.8785, 89.3316, 96.8011



41.3314, 73.8475, 15.4450



15.2649, 18.8455, 20.3556



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.



48.4207, 76.2470, 72.4880



46.4368, 75.8095, 67.2961



40.1072, 49.4099, 101.1926



18.3706, 20.4078, 22.2543



24.0647, 39.5225, 34.5558



2.3838, 3.8645, 3.5790

Inverse Universe

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



44.3533, 24.5008, 13.9498



42.3935, 21.9466, 7.3102



46.7344, 31.7627, 7.0370



18.1759, 18.0537, 19.5434



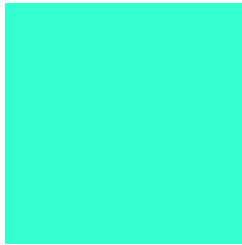
21.9815, 11.2819, 3.2873



2.1793, 1.1141, 0.5254

Previews

White Background



This preview shows how the XYZ color 48.4186, 76.2440, 72.4862 looks on a white background.

Color Contrast Check

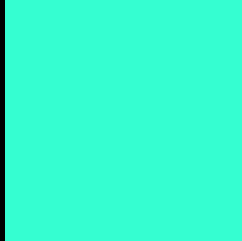
Large Text (above 18pt) WCAG AA × Fail

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 48.4186, 76.2440, 72.4862 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

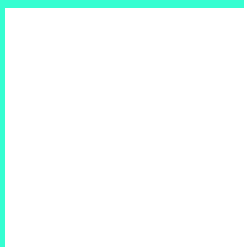
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4186, 76.2440, 72.4862

Background



This preview shows how black text looks on a background with the XYZ color 48.4186, 76.2440, 72.4862.

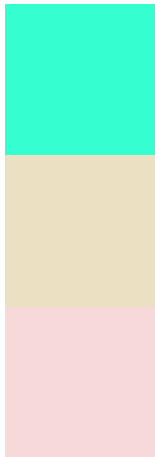


This preview shows how white text looks on a background with the XYZ color 48.4186, 76.2440,

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

48.4186, 76.2440, 72.4862

Protanopia

70.5422, 74.8237, 61.1765

Deuteranopia

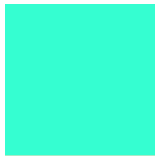
76.0486, 74.5919, 76.0351



Tritanopia

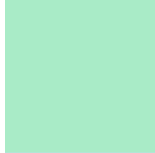
60.7117, 75.4695, 105.9750

Trichromacy



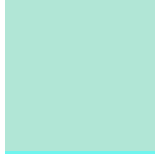
Original Color

48.4186, 76.2440, 72.4862



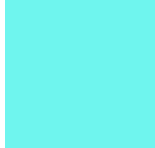
Protanomaly

56.3793, 71.9752, 64.9539



Deuteranomaly

58.5659, 70.7958, 74.1965



Tritanomaly

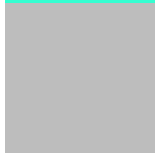
54.6406, 74.8574, 92.4580

Monochromacy



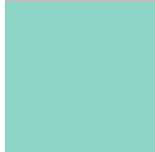
Original Color

48.4186, 76.2440, 72.4862



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.5733, 57.1495, 60.9062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4186, 76.2440, 72.4862 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(53, 254, 209)` looks like.

```
.text, #text, p{  
    color:rgb(53, 254, 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(53, 254, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 254, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.4186, 76.2440, 72.4862 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(53, 254, 209) }
```


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

```
.border{ border-color:rgb(53, 254, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 254, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 254, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 254, 209);  
box-shadow:4px 4px 4px 4px rgb(53, 254,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4186, 76.2440, 72.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 254, 209) }
```

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

```
.background{ background-color: rgb(53, 254,  
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