

Converting Colors

XYZ(50.2548, 77.3327, 87.5824)

Have a look what the booklet for
XYZ(50.2548, 77.3327, 87.5824)
contains.

| | |
|--|----|
| XYZ(50.3090, 77.3541, 87.8806) | 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(50.3090, 77.3541,
87.8806)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0AFFE7 |
| RGB | 10, 255, 231 |
| RGB Percent | 4%, 100%, 91% |
| CMY | 0.9605, 0.0000, 0.0941 |
| CMYK | 0.96, 0.00, 0.09, 0.00 |
| HSL | 174°, 100%, 52% |
| HSV | 174°, 96%, 100% |
| XYZ | 50.3090, 77.3541, 87.8806 |
| YIQ | 179.0090, -138.3160, -59.4040 |

Conversions

Conversions Part 2

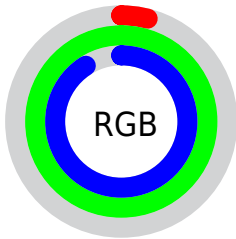
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 10, 139, 255 |
| Decimal | 720871 |
| CIE _{Lab} | 90.48, -54.53, -2.62 |
| CIE _{LCh} | 90, 54.590, 182.749 |
| Yxy | 77.3541, 0.2334, 0.3589 |
| Android (android.graphics.Color) | 4278910951 (0xFF0AFFE7) |
| YUV | 179.0090, 25.6316, -148.2209 |
| Hunter-Lab | 87.9512, -51.8107, 2.3234 |

Details

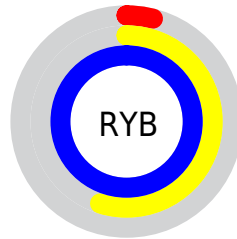
The XYZ color **50.3090, 77.3541, 87.8806** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.6388, 21.5942, 3.4913**, and the grayscale version is **42.7824, 45.0104, 49.0163**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **50.0452, 77.2341, 87.1449**, and if you desaturate by 10%, it is **51.2519, 77.7990, 89.7815**.

Distribution



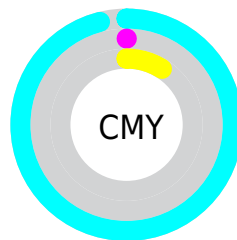
- Red (4%)
- Green (100%)
- Blue (91%)



- Red (4%)
- Yellow (55%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3090, 77.3541, 87.8806 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 50.3090, 77.3541, 87.8806 by changing the saturation by 10% instead.


 50.3090, 77.3541,
87.8806


 50.3090, 77.3541,
87.8806


378.3051,
485.9705, 541.5033


 35.8778, 57.5435,
65.6604


 89.8216, 129.6392,
146.3006


 24.5095, 41.4418,
47.5420


 115.6337,
162.8826, 183.3375

 15.8388, 28.6645,
33.1070


 145.9702,
201.3723, 226.1503

 9.5003, 18.8271,
21.9366

 181.1964,
245.4928, 275.1577

 5.1286, 11.5454,
13.6125

221.6776,
295.6285, 330.7782

 2.3584, 6.4350,
7.7160

267.7792,

 0.8243, 3.1113,

352.1637, 393.4302

3.8286

319.8666,
415.4829, 463.5324

■ 0.0000, 1.1901,
1.5318

■ 0.0000, 0.0536,
0.2414

■ 50.3090, 77.3541,
87.8806

■ 50.3090, 77.3541,
87.8806

■ 50.0452, 77.2341,
87.1449


■ 51.2519, 77.7990,
89.7815


■ 52.8283, 78.5701,
91.7371


■ 55.1553, 79.7274,
93.7543


■ 58.3263, 81.3193,
95.8376

 62.4210, 83.3868,
97.9908

 67.5099, 85.9662,
100.2175

 73.6568, 89.0905,
102.5205

 80.9200, 92.7895,
104.9029

 89.3534, 97.0913,
107.3671

Harmonies

Analogous

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



52.5798, 77.3541, 54.2950



50.3090, 77.3541, 87.8806



53.5925, 77.3541, 131.7565

Triad

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



50.3090, 77.3541, 87.8806



88.6468, 77.3541, 164.5337



86.2009, 77.3541, 33.5333

Complementary

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



50.3090, 77.3541, 87.8806



41.6388, 21.5942, 3.4913

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.



97.8671, 77.3541, 49.7693



50.3090, 77.3541, 87.8806



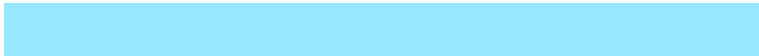
99.3976, 77.3541, 123.5234

Square

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



50.3090, 77.3541, 87.8806



74.7882, 77.3541, 183.7649



102.9624, 77.3541, 80.6731



72.2717, 77.3541, 29.2625

Rectangle

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



50.3090, 77.3541, 87.8806



58.7591, 77.3541, 159.3005



102.9624, 77.3541, 80.6731



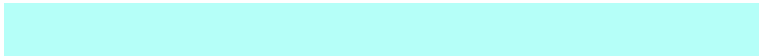
90.5728, 77.3541, 37.4594

Sweetspot

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



50.3100, 77.3545, 87.8820



71.7330, 88.1119, 101.8341



36.4932, 71.8916, 12.2420



14.7935, 18.5748, 21.5865



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.



50.3100, 77.3545, 87.8820



50.0452, 77.2341, 87.1449



30.2370, 31.4070, 99.0762



18.4736, 20.4490, 22.7970



26.1811, 40.3690, 45.7002



2.5705, 3.9391, 4.5620

Inverse Universe

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



41.6388, 21.5942, 3.4913



41.4153, 21.3301, 2.8531



46.6615, 32.0148, 4.0090



18.0817, 18.0160, 19.0472



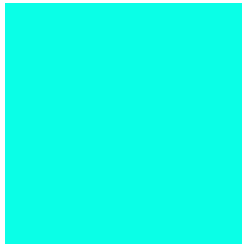
21.6641, 11.1549, 1.6157



2.1323, 1.0953, 0.2784

Previews

White Background



This preview shows how the XYZ color 50.3090, 77.3541, 87.8806 looks on a white background.

Color Contrast Check

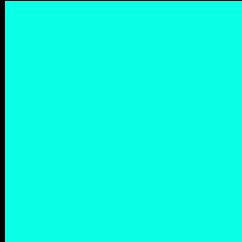
Large Text (above 18pt) WCAG AA × Fail

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 50.3090, 77.3541, 87.8806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

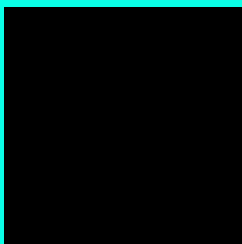
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

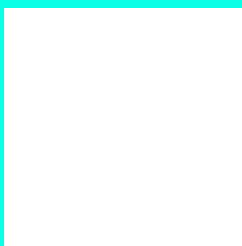
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3090, 77.3541, 87.8806

Background



This preview shows how black text looks on a background with the XYZ color 50.3090, 77.3541, 87.8806.

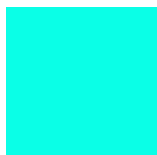


This preview shows how white text looks on a background with the XYZ color 50.3090, 77.3541,

Color Blindness Simulation

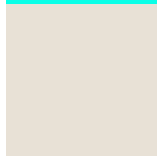
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



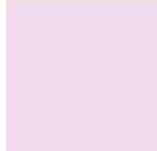
Original Color

50.3090, 77.3541, 87.8806



Protanopia

72.3415, 75.8613, 74.4482



Deuteranopia

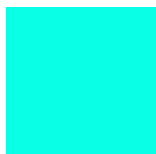
77.1871, 75.5958, 92.1846



Tritanopia

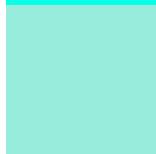
61.7180, 76.4265, 106.1066

Trichromacy



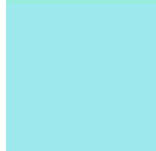
Original Color

50.3090, 77.3541, 87.8806



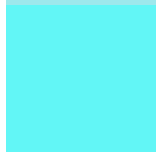
Protanomaly

55.6762, 71.7375, 78.6224



Deuteranomaly

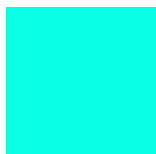
57.9016, 70.9375, 89.9974



Tritanomaly

54.6273, 75.1620, 98.8173

Monochromacy



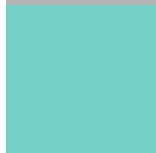
Original Color

50.3090, 77.3541, 87.8806



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.9771, 52.5544, 61.4631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3090, 77.3541, 87.8806 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(10, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 231)  
}
```

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(10, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 50.3090, 77.3541, 87.8806 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(10, 255, 231) }
```


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

```
.border{ border-color:rgb(10, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3090, 77.3541, 87.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 231) }
```

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

```
.background{ background-color: rgb(10, 255,  
231) }
```

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