

Converting Colors

XYZ(51.4125, 80.4215, 91.5354)

Have a look what the booklet for
XYZ(51.4125, 80.4215, 91.5354)
contains.

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Color

**XYZ(50.7554, 77.5182,
90.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFEB
RGB	0, 255, 235
RGB Percent	0%, 100%, 92%
CMY	0.9998, 0.0000, 0.0784
CMYK	1.00, 0.00, 0.08, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	50.7554, 77.5182, 90.8847
YIQ	176.4750, -145.5600, -60.2800

Conversions

Conversions Part 2

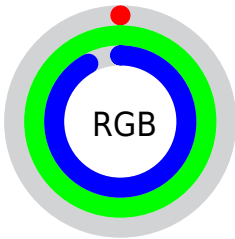
Format	Color
RYB	0, 133, 255
Decimal	65515
CIELab	90.56, -53.66, -4.59
CIELCh	91, 53.854, 184.886
Yxy	77.5182, 0.2316, 0.3537
Android (android.graphics.Color)	4278255595 (0xFF00FFEB)
YUV	176.4750, 28.8528, -154.7686
Hunter-Lab	88.0444, -51.1770, 0.4284

Details

The XYZ color **50.7554, 77.5182, 90.8847** 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 **41.3675, 21.3120, 2.5979**, and the grayscale version is **41.4325, 43.5903, 47.4698**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **28.1029, 43.1872, 49.5026** is the 20% darker color. If you saturate the color by 10%, you get **50.7550, 77.5180, 90.8824**, and if you desaturate by 10%, it is **51.4613, 77.8484, 92.4364**.

Distribution



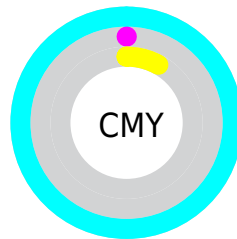
- Red (0%)
- Green (100%)
- Blue (92%)



- Red (0%)
- Yellow (52%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7554, 77.5182, 90.8847 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 50.7554, 77.5182, 90.8847 by changing the saturation by 10% instead.


 50.7554, 77.5182,
90.8847


 50.7554, 77.5182,
90.8847


380.0161,
486.5290, 551.5487

 36.2342, 57.6783,
68.1368


 90.4783, 129.8707,
150.5129


 24.7861, 41.5501,
49.5417


 116.4107,
163.1521, 188.2303

 16.0456, 28.7491,
34.6807


 146.8775,
201.6828, 231.7746

 9.6475, 18.8911,
23.1355

 182.2442,
245.8471, 281.5644

 5.2263, 11.5916,
14.4873

222.8760,
296.0295, 338.0181

 2.4168, 6.4663,
8.3178

269.1384,

 0.8535, 3.1306,

352.6143, 401.5544

4.2083

321.3966,
415.9861, 472.5918

■ 0.0000, 1.2003,
1.7403

■ 0.0000, 0.0620,
0.3881

■ 50.7554, 77.5182,
90.8847

■ 50.7554, 77.5182,
90.8847

■ 50.7550, 77.5180,
90.8824

■ 51.4613, 77.8484,
92.4364

■ 52.7087, 78.4575,
94.0290

■ 54.6629, 79.4306,
95.6719

■ 57.4246, 80.8196,
97.3696

■ 61.0782, 82.6680,
99.1262

■ 65.6975, 85.0139,
100.9453

■ 71.3487, 87.8913,
102.8300

■ 78.0919, 91.3313,
104.7831

■ 85.9828, 95.3626,
106.8073

Harmonies

Analogous

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



52.6153, 77.5182, 56.6584



50.7554, 77.5182, 90.8847



54.3985, 77.5182, 134.3704

Triad

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



50.7554, 77.5182, 90.8847



89.5178, 77.5182, 161.1027



85.2349, 77.5182, 33.4571

Complementary

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



50.7554, 77.5182, 90.8847



41.3675, 21.3120, 2.5979

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.



97.0484, 77.5182, 48.6720



50.7554, 77.5182, 90.8847



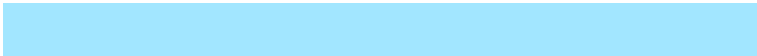
99.7249, 77.5182, 119.9884

Square

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



50.7554, 77.5182, 90.8847



75.9081, 77.5182, 182.0600



102.6355, 77.5182, 78.2392



71.4934, 77.5182, 29.9466

Rectangle

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



50.7554, 77.5182, 90.8847



59.7540, 77.5182, 160.8414



102.6355, 77.5182, 78.2392



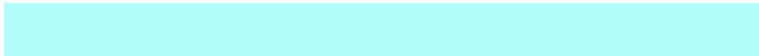
89.6143, 77.5182, 37.0836

Sweetspot

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



50.7564, 77.5187, 90.8861



71.3338, 87.8837, 102.8254



36.0761, 71.6829, 11.9365



14.7308, 18.5369, 21.8370



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.



50.7564, 77.5187, 90.8861



50.7550, 77.5180, 90.8824



28.7627, 28.6443, 98.6207



18.4897, 20.4554, 22.8820



26.5464, 40.5152, 47.6240



2.6023, 3.9518, 4.7293

Inverse Universe

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



41.3675, 21.3120, 2.5979



41.3663, 21.3105, 2.5951



46.4239, 31.6272, 3.6596



18.0672, 18.0102, 18.9710



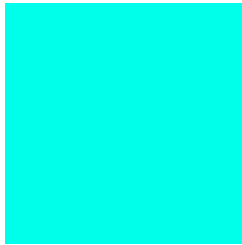
21.6350, 11.1433, 1.4626



2.1255, 1.0926, 0.2425

Previews

White Background



This preview shows how the XYZ color 50.7554, 77.5182, 90.8847 looks on a white background.

Color Contrast Check

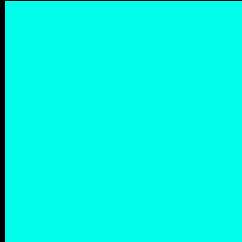
Large Text (above 18pt) WCAG AA × Fail

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 50.7554, 77.5182, 90.8847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

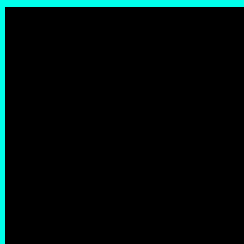
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

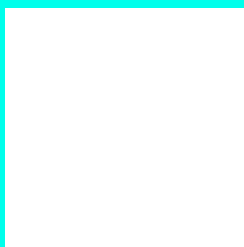
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7554, 77.5182, 90.8847

Background



This preview shows how black text looks on a background with the XYZ color 50.7554, 77.5182, 90.8847.



This preview shows how white text looks on a background with the XYZ color 50.7554, 77.5182,

Color Blindness Simulation

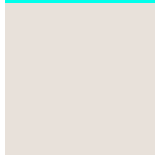
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



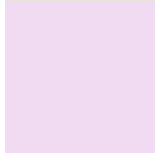
Original Color

50.7554, 77.5182, 90.8847



Protanopia

72.8588, 76.0682, 77.1722



Deuteranopia

77.4444, 75.6594, 95.3160



Tritanopia

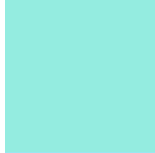
61.8997, 76.5202, 106.1151

Trichromacy



Original Color

50.7554, 77.5182, 90.8847



Protanomaly

55.6627, 71.6686, 81.4207



Deuteranomaly

57.7217, 70.7768, 93.0571



Tritanomaly

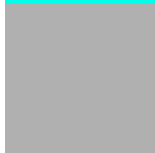
54.6184, 75.1217, 100.4282

Monochromacy



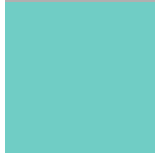
Original Color

50.7554, 77.5182, 90.8847



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.5915, 51.1386, 60.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7554, 77.5182, 90.8847 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(0, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 235)  
}
```

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(0, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.7554, 77.5182, 90.8847 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(0, 255, 235) }
```


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

```
.border{ border-color:rgb(0, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7554, 77.5182, 90.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 235) }
```

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

```
.background{ background-color: rgb(0, 255,  
235) }
```

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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