

Converting Colors

XYZ(25.6343, 68.3120, 91.1688)

Have a look what the booklet for
XYZ(25.6343, 68.3120, 91.1688)
contains.

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Color

**XYZ(50.9003, 77.5761,
91.6478)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFEC
RGB	0, 255, 236
RGB Percent	0%, 100%, 93%
CMY	0.9997, 0.0000, 0.0745
CMYK	1.00, 0.00, 0.07, 0.00
HSL	176°, 100%, 50%
HSV	176°, 100%, 100%
XYZ	50.9003, 77.5761, 91.6478
YIQ	176.5890, -145.8810, -59.9690

Conversions

Conversions Part 2

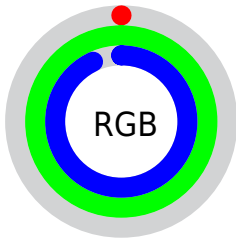
Format	Color
RYB	0, 132, 255
Decimal	65516
CIELab	90.59, -53.39, -5.07
CIELCh	91, 53.627, 185.421
Yxy	77.5761, 0.2312, 0.3524
Android (android.graphics.Color)	4278255596 (0xFF00FFEC)
YUV	176.5890, 29.2896, -154.8686
Hunter-Lab	88.0773, -50.9792, -0.0394

Details

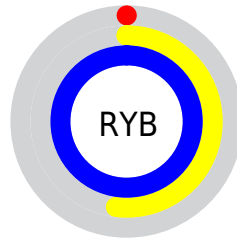
The XYZ color **50.9003, 77.5761, 91.6478** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3588, 21.3086, 2.5520**, and the grayscale version is **41.4904, 43.6512, 47.5361**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **28.2045, 43.2278, 50.0373** is the 20% darker color. If you saturate the color by 10%, you get **50.8999, 77.5760, 91.6456**, and if you desaturate by 10%, it is **51.5932, 77.9012, 93.1307**.

Distribution



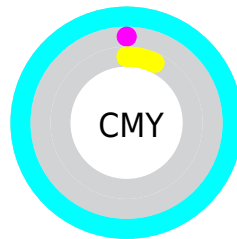
- Red (0%)
- Green (100%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9003, 77.5761, 91.6478 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 50.9003, 77.5761, 91.6478 by changing the saturation by 10% instead.

50.9003, 77.5761,
91.6478

50.9003, 77.5761,
91.6478

380.5704,
486.7260, 554.0844

36.3500, 57.7258,
68.7667

90.6912, 129.9524,
151.5806

24.8760, 41.5883,
50.0512

116.6626,
163.2472, 189.4694

16.1129, 28.7790,
35.0826

147.1717,
201.7923, 233.1979

9.6954, 18.9137,
23.4425

182.5838,
245.9721, 283.1847

5.2582, 11.6080,
14.7122

223.2644,
296.1709, 339.8481

2.4359, 6.4773,
8.4733

269.5788,

0.8630, 3.1374,

352.7733, 403.6069

4.3072

321.8923,
416.1635, 474.8795

■ 0.0000, 1.2039,
1.7953

■ 0.0000, 0.0649,
0.4249

■ 50.9003, 77.5761,
91.6478

■ 50.9003, 77.5761,
91.6478

■ 50.8999, 77.5760,
91.6456

■ 51.5932, 77.9012,
93.1307

■ 52.8273, 78.5050,
94.6529

■ 54.7679, 79.4726,
96.2237

■ 57.5156, 80.8561,
97.8476

■ 61.1550, 82.6988,
99.5288

■ 65.7598, 85.0389,
101.2708

■ 71.3961, 87.9103,
103.0767

■ 78.1241, 91.3443,
104.9493

■ 85.9996, 95.3694,
106.8913

Harmonies

Analogous

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



52.6574, 77.5761, 57.2915



50.9003, 77.5761, 91.6478



54.6305, 77.5761, 134.9832

Triad

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



50.9003, 77.5761, 91.6478



89.7340, 77.5761, 160.1943



85.0035, 77.5761, 33.4874

Complementary

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



50.9003, 77.5761, 91.6478



41.3588, 21.3086, 2.5520

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.



96.8400, 77.5761, 48.4488



50.9003, 77.5761, 91.6478



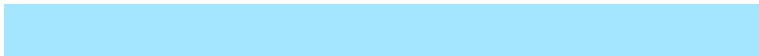
99.7951, 77.5761, 119.1097

Square

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



50.9003, 77.5761, 91.6478



76.2001, 77.5761, 181.5414



102.5413, 77.5761, 77.6718



71.3212, 77.5761, 30.1662

Rectangle

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



50.9003, 77.5761, 91.6478



60.0291, 77.5761, 161.1515



102.5413, 77.5761, 77.6718



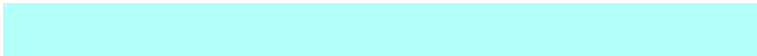
89.3800, 77.5761, 37.0399

Sweetspot

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



50.9014, 77.5766, 91.6493



71.3806, 87.9025, 103.0720



36.0762, 71.6830, 11.9366



14.7422, 18.5414, 21.8970



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.



50.9014, 77.5766, 91.6493



50.8999, 77.5760, 91.6456



28.7629, 28.6447, 98.6207



18.4930, 20.4567, 22.8991



26.6210, 40.5450, 48.0167



2.6087, 3.9544, 4.7634

Inverse Universe

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



41.3588, 21.3086, 2.5520



41.3576, 21.3070, 2.5491



46.4240, 31.6275, 3.6597



18.0643, 18.0090, 18.9557



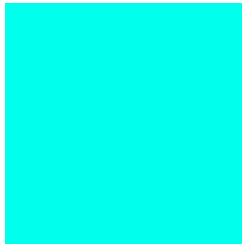
21.6298, 11.1412, 1.4349



2.1242, 1.0920, 0.2353

Previews

White Background



This preview shows how the XYZ color 50.9003, 77.5761, 91.6478 looks on a white background.

Color Contrast Check

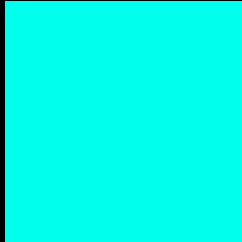
Large Text (above 18pt) WCAG AA × Fail

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 50.9003, 77.5761, 91.6478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

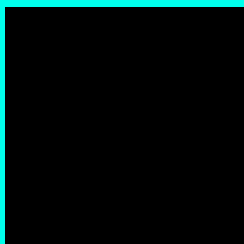
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

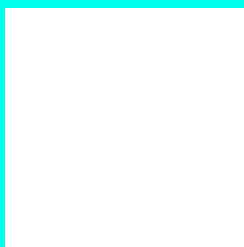
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9003, 77.5761, 91.6478

Background



This preview shows how black text looks on a background with the XYZ color 50.9003, 77.5761, 91.6478.

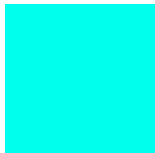


This preview shows how white text looks on a background with the XYZ color 50.9003, 77.5761,

Color Blindness Simulation

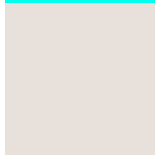
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



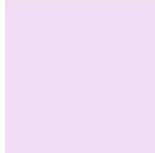
Original Color

50.9003, 77.5761, 91.6478



Protanopia

72.9901, 76.1207, 77.8636



Deuteranopia

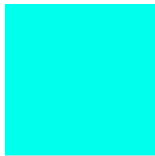
77.8575, 76.2433, 96.2008



Tritanopia

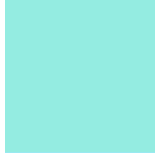
62.0830, 76.6146, 106.1237

Trichromacy



Original Color

50.9003, 77.5761, 91.6478



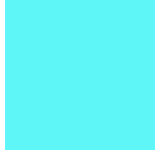
Protanomaly

55.7988, 71.7230, 82.1372



Deuteranomaly

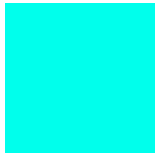
58.1530, 71.4010, 93.9359



Tritanomaly

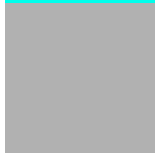
54.6184, 75.1217, 100.4282

Monochromacy



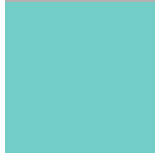
Original Color

50.9003, 77.5761, 91.6478



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.8344, 51.2506, 61.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9003, 77.5761, 91.6478 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.9003, 77.5761, 91.6478 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, 236) }
```


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

```
.border{ border-color:rgb(0, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9003, 77.5761, 91.6478 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, 236) }
```

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

```
.background{ background-color: rgb(0, 255,  
236) }
```

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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