

Converting Colors

XYZ(49.7804, 78.8084, 93.4022)

Have a look what the booklet for
XYZ(49.7804, 78.8084, 93.4022)
contains.

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Color

**XYZ(51.1926, 77.6930,
93.1870)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFEE
RGB	0, 255, 238
RGB Percent	0%, 100%, 93%
CMY	0.9997, 0.0000, 0.0667
CMYK	1.00, 0.00, 0.07, 0.00
HSL	176°, 100%, 50%
HSV	176°, 100%, 100%
XYZ	51.1926, 77.6930, 93.1870
YIQ	176.8170, -146.5230, -59.3470

Conversions

Conversions Part 2

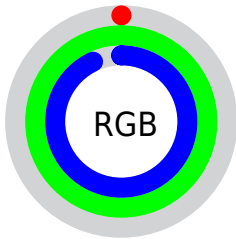
Format	Color
RYB	0, 132, 255
Decimal	65518
CIELab	90.64, -52.84, -6.03
CIELCh	91, 53.185, 186.505
Yxy	77.6930, 0.2305, 0.3499
Android (android.graphics.Color)	4278255598 (0xFF00FEE)
YUV	176.8170, 30.1632, -155.0685
Hunter-Lab	88.1436, -50.5810, -0.9819

Details

The XYZ color **51.1926, 77.6930, 93.1870** 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 **41.3424, 21.3021, 2.4657**, and the grayscale version is **41.6060, 43.7727, 47.6685**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.4097, 43.3099, 51.1183** is the 20% darker color. If you saturate the color by 10%, you get **51.1922, 77.6929, 93.1850**, and if you desaturate by 10%, it is **51.8590, 78.0075, 94.5299**.

Distribution



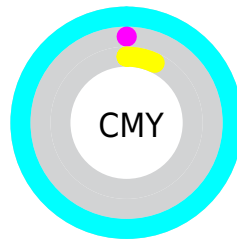
- Red (0%)
- Green (100%)
- Blue (93%)



- 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 51.1926, 77.6930, 93.1870 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 51.1926, 77.6930, 93.1870 by changing the saturation by 10% instead.


 51.1926, 77.6930,
93.1870


 51.1926, 77.6930,
93.1870


381.6870,
487.1236, 559.1798

 36.5836, 57.8218,
70.0384


 91.1207, 130.1173,
153.7314


 25.0574, 41.6654,
51.0809


 117.1705,
163.4391, 191.9643

 16.2488, 28.8394,
35.8958


 147.7646,
202.0134, 236.0625

 9.7924, 18.9594,
24.0647

 183.2683,
246.2243, 286.4443

 5.3227, 11.6409,
15.1689

224.0471,
296.4564, 343.5284

 2.4745, 6.4997,
8.7901

270.4662,

 0.8824, 3.1512,

353.0941, 407.7333

4.5096

322.8910,
416.5217, 479.4776

■ 0.0000, 1.2112,
1.9089

■ 0.0000, 0.0708,
0.4984

■ 51.1926, 77.6930,
93.1870

■ 51.1926, 77.6930,
93.1870

■ 51.1922, 77.6929,
93.1850

■ 51.8590, 78.0075,
94.5299

■ 53.0660, 78.6005,
95.9091

■ 54.9789, 79.5571,
97.3336

■ 57.6984, 80.9292,
98.8084

■ 61.3089, 82.7604,
100.3372

■ 65.8843, 85.0887,
101.9238

■ 71.4906, 87.9482,
103.5710

■ 78.1881, 91.3700,
105.2819

■ 86.0323, 95.3826,
107.0591

Harmonies

Analogous

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



52.7433, 77.6930, 58.5734



51.1926, 77.6930, 93.1870



55.0979, 77.6930, 136.2125

Triad

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



51.1926, 77.6930, 93.1870



90.1675, 77.6930, 158.3857



84.5425, 77.6930, 33.5506

Complementary

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



51.1926, 77.6930, 93.1870



41.3424, 21.3021, 2.4657

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.



96.4243, 77.6930, 48.0068



51.1926, 77.6930, 93.1870



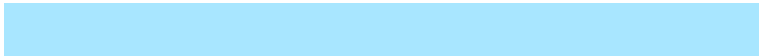
99.9355, 77.6930, 117.3655

Square

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



51.1926, 77.6930, 93.1870



76.7872, 77.6930, 180.5035



102.3528, 77.6930, 76.5471



70.9787, 77.6930, 30.6107

Rectangle

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



51.1926, 77.6930, 93.1870



60.5831, 77.6930, 161.7699



102.3528, 77.6930, 76.5471



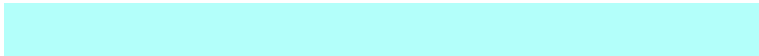
88.9132, 77.6930, 36.9551

Sweetspot

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



51.1937, 77.6936, 93.1885



71.4746, 87.9400, 103.5667



36.0763, 71.6830, 11.9367



14.7651, 18.5506, 22.0173



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.



51.1937, 77.6936, 93.1885



51.1922, 77.6929, 93.1850



28.7631, 28.6451, 98.6208



18.4995, 20.4593, 22.9333



26.7714, 40.6051, 48.8087



2.6218, 3.9596, 4.8320

Inverse Universe

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



41.3424, 21.3021, 2.4657



41.3412, 21.3005, 2.4629



46.4242, 31.6279, 3.6599



18.0585, 18.0067, 18.9252



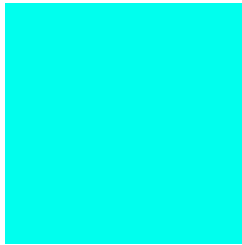
21.6198, 11.1372, 1.3826



2.1214, 1.0909, 0.2208

Previews

White Background



This preview shows how the XYZ color 51.1926, 77.6930, 93.1870 looks on a white background.

Color Contrast Check

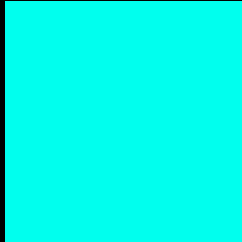
Large Text (above 18pt) WCAG AA × Fail

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 51.1926, 77.6930, 93.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

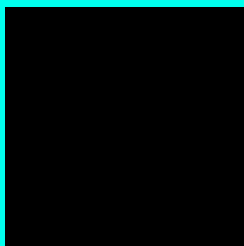
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1926, 77.6930, 93.1870

Background



This preview shows how black text looks on a background with the XYZ color 51.1926, 77.6930, 93.1870.

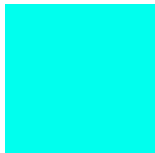


This preview shows how white text looks on a background with the XYZ color 51.1926, 77.6930,

Color Blindness Simulation

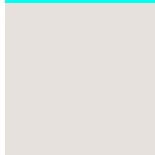
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



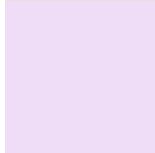
Original Color

51.1926, 77.6930, 93.1870



Protanopia

72.9314, 76.0598, 79.2437



Deuteranopia

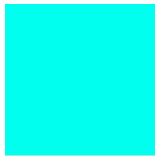
77.8244, 76.1909, 97.7933



Tritanopia

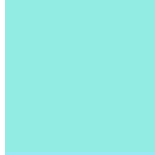
62.3798, 77.2083, 106.2227

Trichromacy



Original Color

51.1926, 77.6930, 93.1870



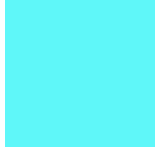
Protanomaly

55.8932, 71.7400, 83.5744



Deuteranomaly

58.2655, 71.4243, 95.5094



Tritanomaly

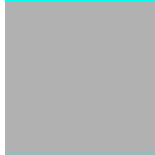
55.0790, 75.7940, 101.3493

Monochromacy



Original Color

51.1926, 77.6930, 93.1870



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9502, 51.2969, 61.8812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1926, 77.6930, 93.1870 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.1926, 77.6930, 93.1870 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, 238) }
```


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

```
.border{ border-color:rgb(0, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1926, 77.6930, 93.1870 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, 238) }
```

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

```
.background{ background-color: rgb(0, 255,  
238) }
```

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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