

Converting Colors

XYZ(51.7826, 77.9524, 95.2398)

Have a look what the booklet for
XYZ(51.7826, 77.9524, 95.2398)
contains.

XYZ(51.8342, 77.9724, 95.5373)	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(51.8342, 77.9724,
95.5373)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFFF1
RGB	15, 255, 241
RGB Percent	6%, 100%, 95%
CMY	0.9410, 0.0000, 0.0549
CMYK	0.94, 0.00, 0.05, 0.00
HSL	176°, 100%, 53%
HSV	176°, 94%, 100%
XYZ	51.8342, 77.9724, 95.5373
YIQ	181.6440, -138.5460, -55.2340

Conversions

Conversions Part 2

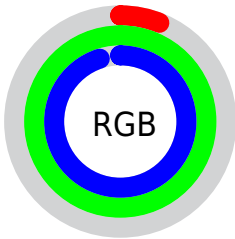
Format	Color
R_{YB}	15, 139, 255
Decimal	1048561
CIE _{Lab}	90.77, -51.70, -7.39
CIE _{LCh}	91, 52.225, 188.133
Yxy	77.9724, 0.2300, 0.3460
Android (android.graphics.Color)	4279238641 (0xFF0FFF1)
YUV	181.6440, 29.2625, -146.1468
Hunter-Lab	88.3020, -49.7471, -2.3367

Details

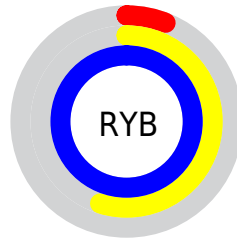
The XYZ color **51.8342, 77.9724, 95.5373** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.6340, 21.6921, 3.1584**, and the grayscale version is **44.1784, 46.4791, 50.6157**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **28.7232, 43.4353, 52.7689** is the 20% darker color. If you saturate the color by 10%, you get **51.5065, 77.8186, 94.8402**, and if you desaturate by 10%, it is **52.7574, 78.4226, 96.7468**.

Distribution



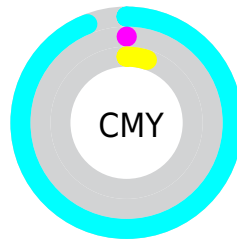
- Red (6%)
- Green (100%)
- Blue (95%)



- Red (6%)
- Yellow (55%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8342, 77.9724, 95.5373 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 51.8342, 77.9724, 95.5373 by changing the saturation by 10% instead.


 51.8342, 77.9724,
95.5373


 51.8342, 77.9724,
95.5373


384.1307,
488.0731, 566.9119

 37.0967, 58.0513,
71.9829


 92.0623, 130.5112,
157.0087


 25.4564, 41.8499,
52.6580


 118.2837,
163.8977, 195.7627

 16.5479, 28.9838,
37.1439


 149.0637,
202.5415, 240.4203

 10.0060, 19.0685,
25.0223

 184.7676,
246.8269, 291.4002

 5.4652, 11.7198,
15.8745

225.7610,
297.1384, 349.1207

 2.5603, 6.5532,
9.2820

272.4090,

 0.9257, 3.1843,

353.8603, 414.0005

4.8263

325.0771,
417.3771, 486.4580

■ 0.0000, 1.2287,
2.0887

■ 0.0000, 0.0849,
0.6090

■ 51.8342, 77.9724,
95.5373

■ 51.8342, 77.9724,
95.5373

■ 51.5065, 77.8186,
94.8402

■ 52.7574, 78.4226,
96.7468

■ 54.3361, 79.2104,
97.9950

■ 56.6817, 80.3934,
99.2887

■ 59.8845, 82.0181,
100.6320

■ 64.0223, 84.1246,
102.0286

■ 69.1640, 86.7484,
103.4818

■ 75.3720, 89.9217,
104.9945

■ 82.7039, 93.6741,
106.5694

■ 91.2128, 98.0332,
108.2091

Harmonies

Analogous

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



53.0744, 77.9724, 60.7293



51.8342, 77.9724, 95.5373



55.9832, 77.9724, 137.7915

Triad

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



51.8342, 77.9724, 95.5373



90.8075, 77.9724, 155.3637



83.9105, 77.9724, 33.9453

Complementary

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



51.8342, 77.9724, 95.5373



41.6340, 21.6921, 3.1584

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.



95.7807, 77.9724, 47.6395



51.8342, 77.9724, 95.5373



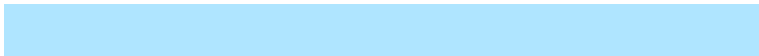
100.0787, 77.9724, 114.7558

Square

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



51.8342, 77.9724, 95.5373



77.7376, 77.9724, 178.4024



101.9986, 77.9724, 75.0807



70.5979, 77.9724, 31.5755

Rectangle

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



51.8342, 77.9724, 95.5373



61.5720, 77.9724, 162.2411



101.9986, 77.9724, 75.0807



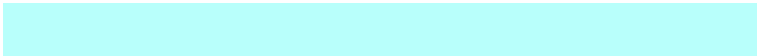
88.2450, 77.9724, 37.1293

Sweetspot

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



51.8353, 77.9730, 95.5388



72.8180, 88.6156, 104.3968



36.4132, 71.8467, 12.4026



15.0235, 18.6799, 22.2061



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.



51.8353, 77.9730, 95.5388



51.5065, 77.8186, 94.8402



29.3183, 29.4628, 98.7494



18.5064, 20.4621, 22.9696



26.9330, 40.6698, 49.6601



2.6358, 3.9652, 4.9057

Inverse Universe

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



41.6340, 21.6921, 3.1584



41.3253, 21.2941, 2.3794



47.9271, 34.4956, 4.5862



18.0523, 18.0042, 18.8927



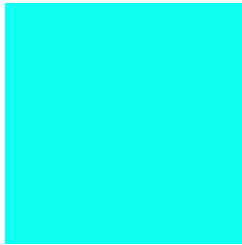
21.6101, 11.1333, 1.3314



2.1185, 1.0898, 0.2055

Previews

White Background



This preview shows how the XYZ color 51.8342, 77.9724, 95.5373 looks on a white background.

Color Contrast Check

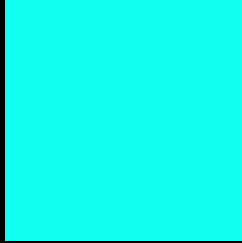
Large Text (above 18pt) WCAG AA × Fail

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 51.8342, 77.9724, 95.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

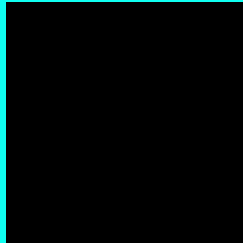
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

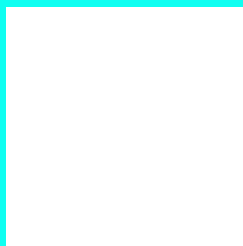
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8342, 77.9724, 95.5373

Background



This preview shows how black text looks on a background with the XYZ color 51.8342, 77.9724, 95.5373.



This preview shows how white text looks on a background with the XYZ color 51.8342, 77.9724,

Color Blindness Simulation

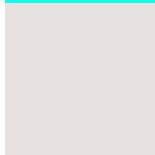
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



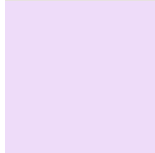
Original Color

51.8342, 77.9724, 95.5373



Protanopia

73.3348, 76.2212, 81.3680



Deuteranopia

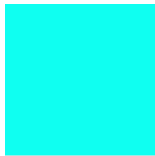
77.9520, 76.2031, 100.2227



Tritanopia

62.7510, 77.3997, 106.2400

Trichromacy



Original Color

51.8342, 77.9724, 95.5373



Protanomaly

57.2273, 72.3795, 85.8174



Deuteranomaly

59.6781, 72.0997, 97.9601



Tritanomaly

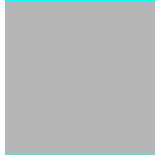
55.9956, 76.2484, 102.2086

Monochromacy



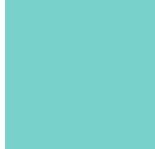
Original Color

51.8342, 77.9724, 95.5373



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.4651, 53.9777, 64.7332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8342, 77.9724, 95.5373 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(15, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 241)  
}
```

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(15, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 51.8342, 77.9724, 95.5373 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(15, 255, 241) }
```


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

```
.border{ border-color:rgb(15, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8342, 77.9724, 95.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 241) }
```

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

```
.background{ background-color: rgb(15, 255,  
241) }
```

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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