

Converting Colors

XYZ(53.4802, 79.2411, 76.6351)

Have a look what the booklet for
XYZ(53.4802, 79.2411, 76.6351)
contains.

XYZ(53.5052, 79.2511, 76.7669)	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(53.5052, 79.2511,
76.7669)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFD7
RGB	102, 255, 215
RGB Percent	40%, 100%, 84%
CMY	0.6000, 0.0000, 0.1569
CMYK	0.60, 0.00, 0.16, 0.00
HSL	164°, 100%, 70%
HSV	164°, 60%, 100%
XYZ	53.5052, 79.2511, 76.7669
YIQ	204.6930, -78.3480, -44.8760

Conversions

Conversions Part 2

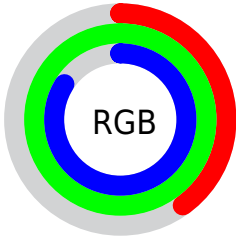
Format	Color
RYB	102, 190, 255
Decimal	6750167
CIELab	91.35, -49.86, 7.08
CIElCh	91, 50.359, 171.922
Yxy	79.2511, 0.2554, 0.3782
Android (android.graphics.Color)	4284940247 (0xFF66FFD7)
YUV	204.6930, 5.0814, -90.0618
Hunter-Lab	89.0231, -48.5072, 11.1889

Details

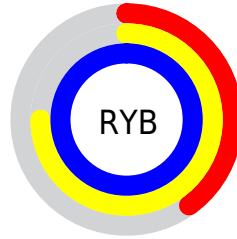
The XYZ color **53.5052, 79.2511, 76.7669** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.8746, 32.7168, 29.2259**, and the grayscale version is **57.8381, 60.8502, 66.2659**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.3865, 42.5093, 40.0721** is the 20% darker color. If you saturate the color by 10%, you get **50.2073, 77.6479, 72.2324**, and if you desaturate by 10%, it is **57.7282, 81.3271, 81.5296**.

Distribution



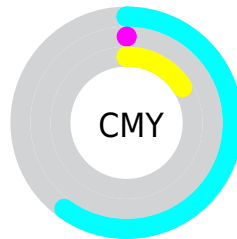
- Red (40%)
- Green (100%)
- Blue (84%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5052, 79.2511, 76.7669 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 53.5052, 79.2511, 76.7669 by changing the saturation by 10% instead.


 53.5052, 79.2511,
76.7669


 53.5052, 79.2511,
76.7669


390.4496,
492.4054, 503.3854


 38.4353, 59.1023,
56.5512


 94.5085, 132.3123,
130.5804

 26.4995, 42.6955,
40.2380


 121.1726,
165.9935, 165.0152

 17.3323, 29.6462,
27.4090


 152.4322,
204.9542, 205.0268

 10.5685, 19.5702,
17.6455

188.6527,
249.5789, 251.0338

 5.8426, 12.0830,
10.5290

230.1992,
300.2520, 303.4545

 2.7894, 6.8003,
5.6409

277.4373,

 1.0434, 3.3375,

357.3579, 362.7077

2.5627

330.7323,
421.2809, 429.2118

0.0000, 1.3104,
0.8731

0.0000, 0.1492,
0.0000

53.5052, 79.2511,
76.7669

53.5052, 79.2511,
76.7669

50.2073, 77.6479,
72.2324

57.7282, 81.3271,
81.5296

47.7470, 76.4725,
67.9159

62.9480, 83.9128,
86.5220

46.0240, 75.6734,
63.8118

69.2318, 87.0431,
91.7506

44.8734, 75.1654,
59.9102

76.6404, 90.7489,
97.2203

■ 44.8732, 75.1653,
59.9095

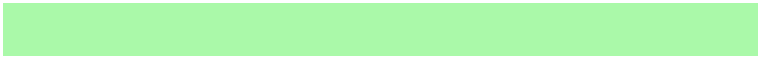
■ 85.2297, 95.0593,
102.9357

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.5771, 79.2511, 49.7325



53.5052, 79.2511, 76.7669



54.7360, 79.2511, 115.3497

Triad

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



53.5052, 79.2511, 76.7669



84.8861, 79.2511, 169.5151



91.5348, 79.2511, 41.8731

Complementary

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



53.5052, 79.2511, 76.7669



50.8746, 32.7168, 29.2259

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.



100.5228, 79.2511, 62.5749



53.5052, 79.2511, 76.7669



96.3917, 79.2511, 137.4284

Square

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



53.5052, 79.2511, 76.7669



71.9224, 79.2511, 176.5014



102.3941, 79.2511, 96.5719



78.8349, 79.2511, 33.6532

Rectangle

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



53.5052, 79.2511, 76.7669



58.4682, 79.2511, 142.4239



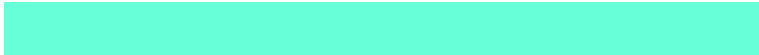
102.3941, 79.2511, 96.5719



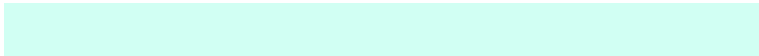
95.1471, 79.2511, 47.2677

Sweetspot

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



53.5060, 79.2515, 76.7683



78.2605, 91.5610, 98.3424



49.4522, 78.3015, 25.0790



16.2493, 19.3464, 20.7002



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.



53.5060, 79.2515, 76.7683



49.6506, 77.3798, 71.3509



48.9402, 60.8654, 103.7765



18.3402, 20.3956, 22.0942



23.5118, 39.3013, 31.6440



2.3341, 3.8446, 3.3172

Inverse Universe

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



50.8746, 32.7168, 29.2259



46.8726, 27.1590, 20.3505



52.6846, 40.3115, 17.5758



18.2043, 18.0650, 19.6929



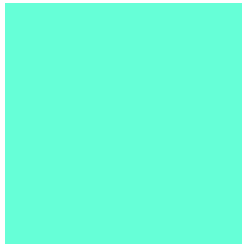
22.1245, 11.3391, 4.0401



2.1967, 1.1211, 0.6173

Previews

White Background



This preview shows how the XYZ color 53.5052, 79.2511, 76.7669 looks on a white background.

Color Contrast Check

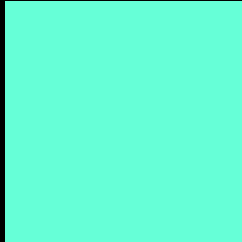
Large Text (above 18pt) WCAG AA × Fail

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 53.5052, 79.2511, 76.7669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

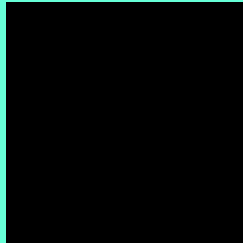
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5052, 79.2511, 76.7669

Background



This preview shows how black text looks on a background with the XYZ color 53.5052, 79.2511, 76.7669.

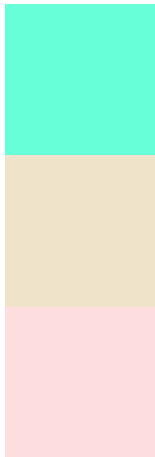


This preview shows how white text looks on a background with the XYZ color 53.5052, 79.2511,

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

53.5052, 79.2511, 76.7669

Protanopia

73.8826, 78.0546, 66.4303

Deuteranopia

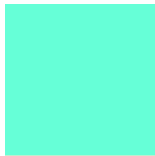
79.5493, 77.8695, 79.9449



Tritanopia

65.6537, 78.4554, 106.2908

Trichromacy



Original Color

53.5052, 79.2511, 76.7669



Protanomaly

62.7014, 76.4241, 69.8391



Deuteranomaly

65.2138, 75.3981, 78.1340



Tritanomaly

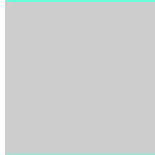
60.1855, 78.1321, 94.3470

Monochromacy



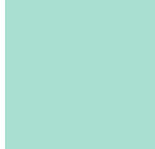
Original Color

53.5052, 79.2511, 76.7669



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.0447, 65.7036, 70.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5052, 79.2511, 76.7669 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(102, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 215)  
}
```

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(102, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 53.5052, 79.2511, 76.7669 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(102, 255, 215) }
```


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

```
.border{ border-color:rgb(102, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5052, 79.2511, 76.7669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 215) }
```

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

```
.background{ background-color: rgb(102,  
255, 215) }
```

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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