

Converting Colors

XYZ(53.5158, 77.9621,
106.8353)

Have a look what the booklet for
XYZ(53.5158, 77.9621, 106.8353)
contains.

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Color

**XYZ(53.6170, 78.1682,
106.8698)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFEFF
RGB	10, 254, 255
RGB Percent	4%, 100%, 100%
CMY	0.9605, 0.0039, 0.0000
CMYK	0.96, 0.00, 0.00, 0.00
HSL	180°, 100%, 52%
HSV	180°, 96%, 100%
XYZ	53.6170, 78.1682, 106.8698
YIQ	181.1580, -145.7450, -51.4170

Conversions

Conversions Part 2

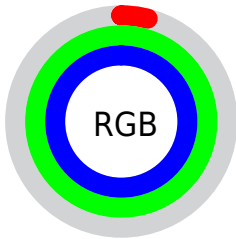
Format	Color
R_{YB}	10, 132, 255
Decimal	720639
CIE _{Lab}	90.86, -47.45, -14.52
CIE _{LCh}	91, 49.627, 197.018
Yxy	78.1682, 0.2247, 0.3275
Android (android.graphics.Color)	4278910719 (0xFF0AFEFF)
YUV	181.1580, 36.4041, -150.1056
Hunter-Lab	88.4128, -46.4729, -9.7784

Details

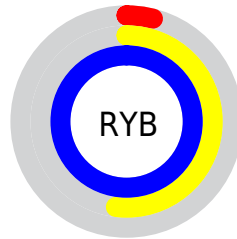
The XYZ color **53.6170, 78.1682, 106.8698** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.4157, 21.5231, 2.2608**, and the grayscale version is **43.8852, 46.1706, 50.2798**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **29.9330, 43.5571, 60.2558** is the 20% darker color. If you saturate the color by 10%, you get **53.4800, 78.0800, 106.8600**, and if you desaturate by 10%, it is **54.2387, 78.5393, 106.9087**.

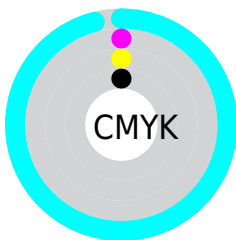
Distribution



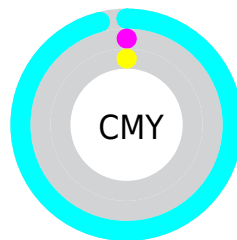
- Red (4%)
- Green (100%)
- Blue (100%)



- Red (4%)
- Yellow (52%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6170, 78.1682, 106.8698 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 53.6170, 78.1682, 106.8698 by changing the saturation by 10% instead.

 53.6170, 78.1682,
106.8698


 53.6170, 78.1682,
106.8698


390.8701,
488.7379, 603.4342

 38.5250, 58.2122,
81.4013


 94.6719, 130.7872,
172.7002


 26.5695, 41.9792,
60.3392


 121.3654,
164.2190, 213.8992

 17.3851, 29.0850,
43.2650


 152.6569,
202.9114, 261.1788

 10.6064, 19.1452,
29.7602

 188.9116,
247.2489, 314.9575

 5.8682, 11.7752,
19.4061

230.4949,
297.6160, 375.6538

 2.8050, 6.5908,
11.7843

277.7722,

 1.0515, 3.2075,

354.3969, 443.6864

6.4762

331.1088,
417.9760, 519.4737

■ 0.0000, 1.2410,
3.0633

■ 0.0000, 0.0948,
1.1271

■ 53.6170, 78.1682,
106.8698

■ 53.6170, 78.1682,
106.8698

■ 53.4800, 78.0800,
106.8600

■ 54.2387, 78.5393,
106.9087

■ 55.4880, 79.2322,
106.9766

■ 57.4828, 80.3095,
107.0794

■ 60.3165, 81.8193,
107.2214

■ 64.0689, 83.8027,
107.4065

■ 68.8105, 86.2961,
107.6379

■ 74.6049, 89.3323,
107.9185

■ 81.5104, 92.9413,
108.2511

■ 89.5811, 97.1510,
108.6383

Harmonies

Analogous

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



53.2656, 78.1682, 70.5766



53.6170, 78.1682, 106.8698



59.0965, 78.1682, 145.9951

Triad

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



53.6170, 78.1682, 106.8698



93.2868, 78.1682, 141.1428



79.8234, 78.1682, 34.1433

Complementary

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



53.6170, 78.1682, 106.8698



41.4157, 21.5231, 2.2608

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.



91.9021, 78.1682, 44.0595



53.6170, 78.1682, 106.8698



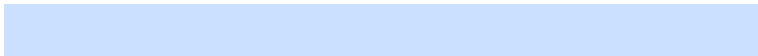
100.2415, 78.1682, 101.5173

Square

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



53.6170, 78.1682, 106.8698



81.5491, 78.1682, 169.2745



99.7081, 78.1682, 66.5277



67.4873, 78.1682, 34.8296

Rectangle

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



53.6170, 78.1682, 106.8698



65.3085, 78.1682, 165.4326



99.7081, 78.1682, 66.5277



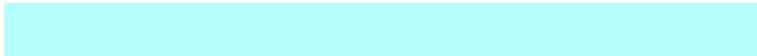
84.0735, 78.1682, 36.1964

Sweetspot

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



53.6191, 78.1710, 106.8702



72.7819, 88.3780, 107.8304



35.9413, 71.6071, 12.2166



15.0503, 18.6398, 23.0546



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.



53.6191, 78.1710, 106.8702



53.4800, 78.0800, 106.8600



26.5005, 23.9337, 97.8307



18.5482, 20.4681, 23.2231



27.9474, 40.8043, 55.8376



2.7231, 3.9769, 5.4374

Inverse Universe

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



59.2393, 28.6347, 96.1738



59.1234, 28.4134, 96.1028



49.6196, 37.9308, 4.9955



18.7894, 18.2991, 22.7739



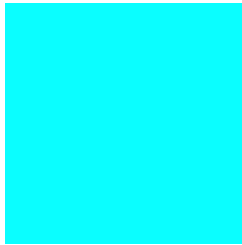
30.8947, 14.8472, 50.2236



3.0091, 1.4460, 4.8954

Previews

White Background



This preview shows how the XYZ color 53.6170, 78.1682, 106.8698 looks on a white background.

Color Contrast Check

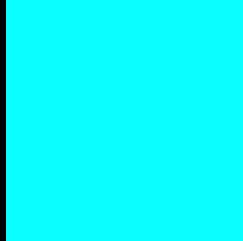
Large Text (above 18pt) WCAG AA × Fail

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 53.6170, 78.1682, 106.8698 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

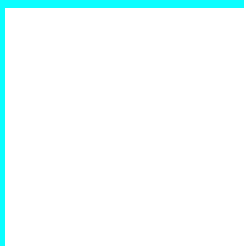
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.6170, 78.1682, 106.8698

Background



This preview shows how black text looks on a background with the XYZ color 53.6170, 78.1682, 106.8698.

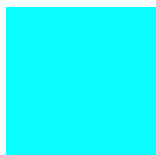


This preview shows how white text looks on a background with the XYZ color 53.6170, 78.1682,

Color Blindness Simulation

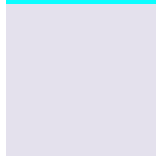
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



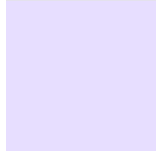
Original Color

53.6170, 78.1682, 106.8698



Protanopia

74.2062, 76.4588, 90.9677



Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

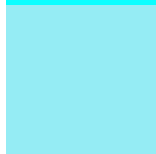
62.7510, 77.3997, 106.2400

Trichromacy



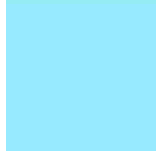
Original Color

53.6170, 78.1682, 106.8698



Protanomaly

58.7190, 72.9121, 96.5666



Deuteranomaly

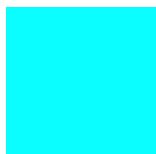
60.2353, 72.6449, 105.4549



Tritanomaly

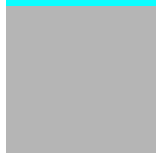
56.2613, 75.8409, 106.2812

Monochromacy



Original Color

53.6170, 78.1682, 106.8698



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.5488, 53.5878, 67.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6170, 78.1682, 106.8698 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(10, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 254, 255)  
}
```

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(10, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.6170, 78.1682, 106.8698 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(10, 254, 255) }
```


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

```
.border{ border-color:rgb(10, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6170, 78.1682, 106.8698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 254, 255) }
```

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

```
.background{ background-color: rgb(10, 254,  
255) }
```

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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