

# Converting Colors

XYZ(53.0382, 77.2813,  
104.7612)

Have a look what the booklet for  
XYZ(53.0382, 77.2813, 104.7612)  
contains.

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# Color

**XYZ(53.2083, 77.5246,  
105.0879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17DFDF
RGB	23, 253, 253
RGB Percent	9%, 99%, 99%
CMY	0.9096, 0.0078, 0.0078
CMYK	0.91, 0.00, 0.00, 0.01
HSL	180°, 98%, 54%
HSV	180°, 91%, 99%
XYZ	53.2083, 77.5246, 105.0879
YIQ	184.2300, -137.0800, -48.7600

# Conversions

## Conversions Part 2

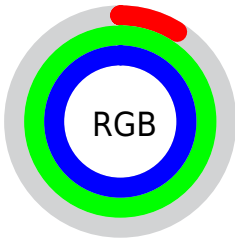
Format	Color
R <sub>Y</sub> B	23, 138, 253
Decimal	1572349
CIE Lab	90.56, -47.24, -13.92
CIE LCh	91, 49.248, 196.419
Yxy	77.5246, 0.2256, 0.3287
Android (android.graphics.Color)	4279762429 (0xFF17FDFD)
YUV	184.2300, 33.9036, -141.3987
Hunter-Lab	88.0481, -46.2148, -9.1307

# Details

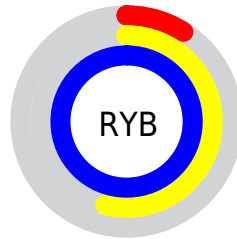
The XYZ color **53.2083, 77.5246, 105.0879** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.9717, 21.5599, 2.8150**, and the grayscale version is **45.5677, 47.9408, 52.2075**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **29.7037, 43.4654, 59.0487** is the 20% darker color. If you saturate the color by 10%, you get **52.8563, 77.3448, 105.0730**, and if you desaturate by 10%, it is **54.0915, 77.9816, 105.1312**.

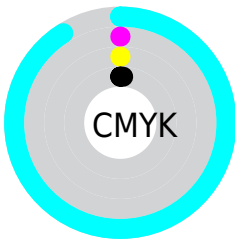
# Distribution



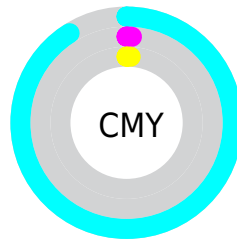
- Red (9%)
- Green (99%)
- Blue (99%)



- Red (9%)
- Yellow (54%)
- Blue (99%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (91%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2083, 77.5246, 105.0879 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 53.2083, 77.5246, 105.0879 by changing the saturation by 10% instead.





 53.2083, 77.5246,  
105.0879


 53.2083, 77.5246,  
105.0879


389.3316,  
486.5508, 597.7701


 38.1972, 57.6835,  
79.9159


 94.0745, 129.8797,  
170.2444


 26.3137, 41.5543,  
59.1234


 120.6604,  
163.1626, 211.0659

 17.1924, 28.7524,  
42.2918


 151.8352,  
201.6949, 257.9411

 10.4679, 18.8936,  
29.0026

 187.9644,  
245.8609, 311.2884

 5.7749, 11.5934,  
18.8372

229.4133,  
296.0451, 371.5265

 2.7481, 6.4675,  
11.3771

276.5472,

 1.0220, 3.1314,

352.6319, 439.0737

6.2037

329.7315,  
416.0057, 514.3488

■ 0.0000, 1.2007,  
2.8986

■ 0.0000, 0.0623,  
1.0431

■ 53.2083, 77.5246,  
105.0879

■ 53.2083, 77.5246,  
105.0879

■ 52.8563, 77.3448,  
105.0730

■ 54.0915, 77.9816,  
105.1312

■ 55.6530, 78.7866,  
105.2044

■ 57.9959, 79.9943,  
105.3142

■ 61.2039, 81.6482,  
105.4645

65.3505, 83.7858,  
105.6588

70.5009, 86.4409,  
105.9000

76.7147, 89.6443,  
106.1910

84.0470, 93.4242,  
106.5343

92.5488, 97.8070,  
106.9323

# Harmonies

## Analogous

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



52.9641, 77.5246, 69.4543



53.2083, 77.5246, 105.0879



58.5237, 77.5246, 143.7475

# Triad

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



53.2083, 77.5246, 105.0879



92.2219, 77.5246, 140.3841



79.3916, 77.5246, 34.1292

# Complementary

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



53.2083, 77.5246, 105.0879



40.9717, 21.5599, 2.8150

# 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.



91.2612, 77.5246, 44.1699



53.2083, 77.5246, 105.0879



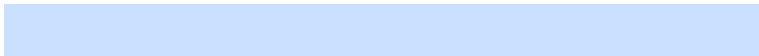
99.2076, 77.5246, 101.3744

# Square

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



53.2083, 77.5246, 105.0879



80.5892, 77.5246, 167.6964



98.8376, 77.5246, 66.6417



67.1864, 77.5246, 34.6071



# Rectangle

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



53.2083, 77.5246, 105.0879



64.6042, 77.5246, 163.1550



98.8376, 77.5246, 66.6417



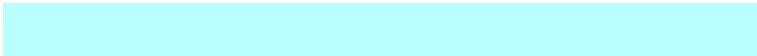
83.5788, 77.5246, 36.2324

# Sweetspot

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



53.2107, 77.5275, 105.0898



74.0961, 89.1979, 107.9189



35.7302, 70.5462, 12.5465



15.4201, 18.8654, 23.0785



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.



53.2107, 77.5275, 105.0898



53.8097, 78.7399, 106.9682



27.7361, 26.5778, 96.5997



18.5549, 20.4815, 23.2253



28.1167, 41.1433, 55.8932



2.7376, 4.0060, 5.4421



# Inverse Universe

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



40.9717, 21.5599, 2.8150



41.2400, 21.2600, 1.9301



49.2159, 38.0482, 5.5629



18.0095, 17.9871, 18.6670



21.5488, 11.1088, 1.0085

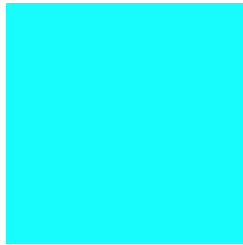


2.0981, 1.0816, 0.0982



# Previews

## White Background



This preview shows how the XYZ color 53.2083, 77.5246, 105.0879 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

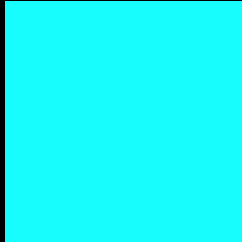
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2083, 77.5246, 105.0879 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 53.2083, 77.5246, 105.0879**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2083, 77.5246, 105.0879.



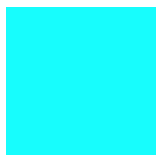
This preview shows how white text looks on a background with the XYZ color 53.2083, 77.5246,



# Color Blindness Simulation

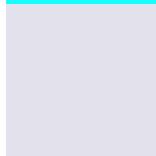
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



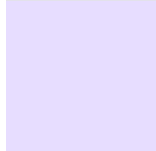
### Original Color

53.2083, 77.5246, 105.0879



### Protanopia

73.5992, 76.1795, 89.4223



### Deuteranopia

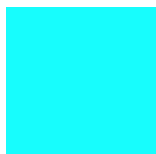
76.8614, 75.9218, 105.2111



## Tritanopia

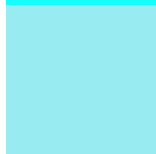
62.0149, 77.0202, 106.2056

# Trichromacy



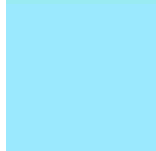
## Original Color

53.2083, 77.5246, 105.0879



## Protanomaly

58.8722, 72.5998, 94.9147



## Deuteranomaly

60.5459, 72.4021, 104.5498



## Tritanomaly

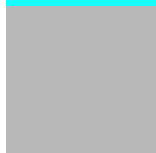
56.4387, 75.9509, 105.4513

# Monochromacy



## Original Color

53.2083, 77.5246, 105.0879



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.7665, 54.5644, 68.5995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2083, 77.5246, 105.0879 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(23, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(23, 253, 253)  
}
```

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(23, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 253, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2083, 77.5246, 105.0879 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(23, 253, 253) }
```



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

```
.border{ border-color:rgb(23, 253, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(23, 253,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2083, 77.5246, 105.0879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 253, 253) }
```

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

```
.background{ background-color: rgb(23, 253,  
253) }
```

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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