

# Converting Colors

XYZ(64.0134, 100.0000,  
88.6914)

Have a look what the booklet for  
XYZ(64.0134, 100.0000, 88.6914)  
contains.

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# Color

**XYZ(53.5556, 79.0923,  
85.1167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57FFE3
RGB	87, 255, 227
RGB Percent	34%, 100%, 89%
CMY	0.6588, 0.0000, 0.1098
CMYK	0.66, 0.00, 0.11, 0.00
HSL	170°, 100%, 67%
HSV	170°, 66%, 100%
XYZ	53.5556, 79.0923, 85.1167
YIQ	201.5760, -91.1400, -44.3240

# Conversions

## Conversions Part 2

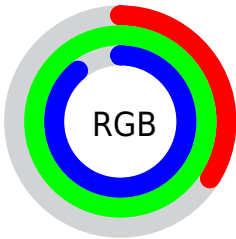
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">87, 179, 255</a>
Decimal	<a href="#">5767139</a>
CIELab	<a href="#">91.28, -49.42, 0.72</a>
CIELCh	<a href="#">91, 49.425, 179.166</a>
Yxy	<a href="#">79.0923, 0.2459, 0.3632</a>
Android (android.graphics.Color)	<a href="#">4283957219 (0xFF57FFE3)</a>
YUV	<a href="#">201.5760, 12.5340, -100.4832</a>
Hunter-Lab	<a href="#">88.9339, -48.1423, 5.5085</a>

# Details

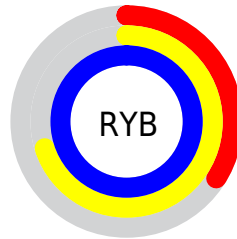
The XYZ color **53.5556, 79.0923, 85.1167** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **47.7436, 29.3155, 19.3634**, and the grayscale version is **55.8409, 58.7490, 63.9776**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **27.4126, 42.9111, 45.8676** is the 20% darker color. If you saturate the color by 10%, you get **51.0017, 77.8426, 81.9739**, and if you desaturate by 10%, it is **56.9662, 80.7819, 88.3779**.

# Distribution



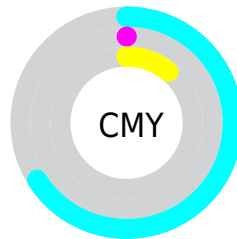
- Red (34%)
- Green (100%)
- Blue (89%)



- Red (34%)
- Yellow (70%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5556, 79.0923, 85.1167 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 53.5556, 79.0923, 85.1167 by changing the saturation by 10% instead.





 53.5556, 79.0923,  
85.1167


 53.5556, 79.0923,  
85.1167


390.6392,  
491.8685, 532.1688


 38.4757, 58.9717,  
63.3871


 94.5822, 132.0888,  
142.4118


 26.5310, 42.5903,  
45.7114


 121.2596,  
165.7335, 178.8144

 17.3561, 29.5638,  
31.6712


 152.5335,  
204.6550, 220.9451

 10.5856, 19.5078,  
20.8477

 188.7694,  
249.2377, 269.2224

 5.8541, 12.0377,  
12.8226

230.3325,  
299.8660, 324.0649

 2.7964, 6.7694,  
7.1772

277.5883,

 1.0470, 3.3183,

356.9243, 385.8911

3.4930

330.9021,  
420.7970, 455.1196

■ 0.0000, 1.3001,  
1.3516

■ 0.0000, 0.1413,  
0.1035

■ 53.5556, 79.0923,  
85.1167

■ 53.5556, 79.0923,  
85.1167

■ 51.0017, 77.8426,  
81.9739

■ 56.9662, 80.7819,  
88.3779

■ 49.2085, 76.9835,  
78.9404


■ 61.3104, 82.9511,  
91.7576

■ 48.0614, 76.4558,  
76.0117

■ 66.6596, 85.6367,  
95.2609

■ 47.7070, 76.2988,  
74.8320

■ 73.0774, 88.8715,  
98.8915

 80.6222, 92.6855,  
102.6524

 89.3479, 97.1067,  
106.5468

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.



56.3176, 79.0923, 55.3574



53.5556, 79.0923, 85.1167



56.0286, 79.0923, 124.3347

# Triad

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



53.5556, 79.0923, 85.1167



87.5453, 79.0923, 161.5646



88.2200, 79.0923, 39.3997

# Complementary

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



53.5556, 79.0923, 85.1167



47.7436, 29.3155, 19.3634

# 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.



98.2506, 79.0923, 56.6645



53.5556, 79.0923, 85.1167



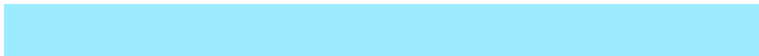
97.8316, 79.0923, 126.5722

# Square

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



53.5556, 79.0923, 85.1167



74.8244, 79.0923, 175.2366



101.9464, 79.0923, 87.1273



75.5264, 79.0923, 33.8890



# Rectangle

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



53.5556, 79.0923, 85.1167



60.4885, 79.0923, 149.6254



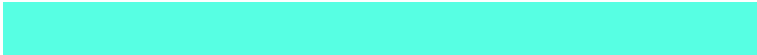
101.9464, 79.0923, 87.1273



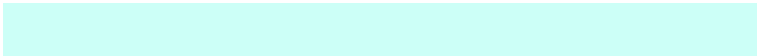
92.0646, 79.0923, 43.7326

# Sweetspot

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



53.5566, 79.0927, 85.1181



77.3733, 91.0420, 101.0867



44.5516, 75.8535, 21.3115



16.1109, 19.2592, 21.4109



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.



53.5566, 79.0927, 85.1181



50.3652, 77.5351, 81.0157



42.4052, 50.0946, 102.0420



18.4172, 20.4264, 22.4999



24.9760, 39.8870, 39.3547



2.4648, 3.8969, 4.0055



# Inverse Universe

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



47.7436, 29.3155, 19.3634



44.2637, 24.5468, 11.4485



52.7838, 41.5946, 14.2650



18.1329, 18.0365, 19.3168



21.8078, 11.2124, 2.3724

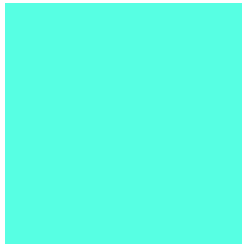


2.1564, 1.1049, 0.4050



# Previews

## White Background



This preview shows how the XYZ color 53.5556, 79.0923, 85.1167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

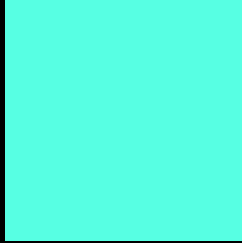
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5556, 79.0923, 85.1167 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

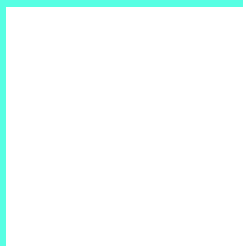
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.5556, 79.0923, 85.1167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5556, 79.0923, 85.1167.



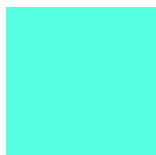
This preview shows how white text looks on a background with the XYZ color 53.5556, 79.0923,



# Color Blindness Simulation

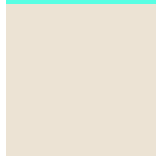
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



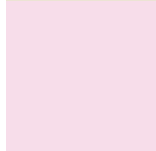
### Original Color

53.5556, 79.0923, 85.1167



### Protanopia

73.9448, 77.5245, 73.3538



### Deuteranopia

79.0655, 77.4276, 88.6197



## Tritanopia

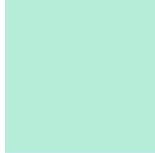
65.1120, 78.6168, 106.3505

# Trichromacy



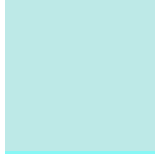
## Original Color

53.5556, 79.0923, 85.1167



## Protanomaly

62.1000, 75.5232, 76.9501



## Deuteranomaly

64.5490, 74.8662, 86.6498



## Tritanomaly

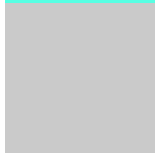
59.8955, 78.3483, 98.3521

# Monochromacy



## Original Color

53.5556, 79.0923, 85.1167



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

52.1115, 63.8896, 71.2134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5556, 79.0923, 85.1167 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(87, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 227)  
}
```

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(87, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5556, 79.0923, 85.1167 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(87, 255, 227) }
```



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

```
.border{ border-color:rgb(87, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5556, 79.0923, 85.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 227) }
```

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

```
.background{ background-color: rgb(87, 255,  
227) }
```

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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