

# Converting Colors

XYZ(53.6564, 77.7075, 80.6788)

Have a look what the booklet for  
XYZ(53.6564, 77.7075, 80.6788)  
contains.

|  |    |
|--|----|
| <b>XYZ(53.6872, 77.8445, 80.6025)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(53.6872, 77.8445,  
80.6025)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 69FCDD                       |
| RGB         | 105, 252, 221                |
| RGB Percent | 41%, 99%, 87%                |
| CMY         | 0.5882, 0.0117, 0.1333       |
| CMYK        | 0.58, 0.00, 0.12, 0.01       |
| HSL         | 167°, 96%, 70%               |
| HSV         | 167°, 58%, 99%               |
| XYZ         | 53.6872, 77.8445, 80.6025    |
| YIQ         | 204.5130, -77.6610, -40.8050 |

# Conversions

## Conversions Part 2

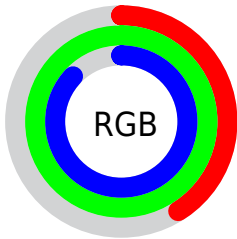
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">105, 187, 252</a>               |
| Decimal                             | <a href="#">6946013</a>                     |
| CIELab                              | <a href="#">90.71, -46.64, 3.06</a>         |
| CIELCh                              | <a href="#">91, 46.738, 176.248</a>         |
| Yxy                                 | <a href="#">77.8445, 0.2531, 0.3670</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285136093<br/>(0xFF69FCDD)</a> |
| YUV                                 | <a href="#">204.5130, 8.1281, -87.2729</a>  |
| Hunter-Lab                          | <a href="#">88.2295, -45.7854, 7.5960</a>   |

# Details

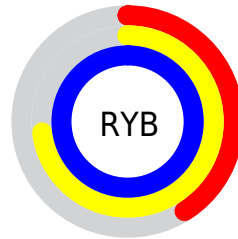
The XYZ color **53.6872, 77.8445, 80.6025** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.6429, 32.5782, 26.9670**, and the grayscale version is **57.7065, 60.7117, 66.1151**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **26.7073, 41.9428, 42.7645** is the 20% darker color. If you saturate the color by 10%, you get **50.4578, 76.2621, 76.8145**, and if you desaturate by 10%, it is **57.8202, 79.8939, 84.5532**.

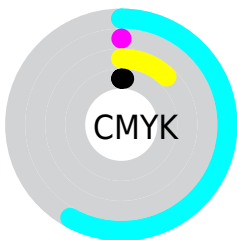
# Distribution



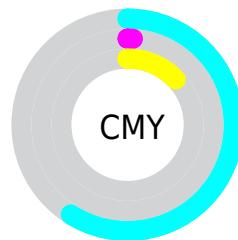
- Red (41%)
- Green (99%)
- Blue (87%)



- Red (41%)
- Yellow (73%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)



- Cyan (59%)
- Magenta (1%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6872, 77.8445, 80.6025 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 53.6872, 77.8445, 80.6025 by changing the saturation by 10% instead.





 53.6872, 77.8445,  
80.6025


 53.6872, 77.8445,  
80.6025

391.1339,  
487.6386, 516.7212


 38.5813, 57.9462,  
59.6852


 94.7744, 130.3309,  
136.0315

 26.6134, 41.7654,  
42.7413


 121.4864,  
163.6878, 171.3803

 17.4182, 28.9177,  
29.3523


 152.7979,  
202.2998, 212.3767

 10.6302, 19.0185,  
19.0996

189.0741,  
246.5511, 259.4392

 5.8842, 11.6837,  
11.5647

230.6805,  
296.8263, 312.9864

 2.8148, 6.5287,  
6.3291

277.9823,

 1.0566, 3.1691,

353.5097, 373.4367

2.9742

331.3450,  
416.9856, 441.2088

0.0000, 1.2207,  
1.0815

0.0000, 0.0785,  
0.0000

53.6872, 77.8445,  
80.6025

53.6872, 77.8445,  
80.6025

50.4578, 76.2621,  
76.8145

57.8202, 79.8939,  
84.5532

48.0450, 75.0962,  
73.1791


62.9205, 82.4375,  
88.6656


46.3563, 74.3011,  
69.6924


69.0538, 85.5109,  
92.9454


45.2596, 73.8087,  
66.3472

76.2779, 89.1441,  
97.3964

 45.1038, 73.7403,  
65.8015

 84.6465, 93.3645,  
102.0221

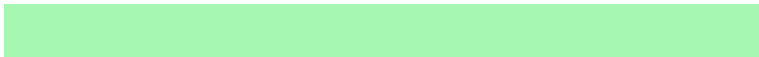
 93.7639, 97.9683,  
106.8051

 94.1017, 98.1034,  
108.5839

# Harmonies

## Analogous

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



56.7753, 77.8445, 53.6974



53.6872, 77.8445, 80.6025



55.5472, 77.8445, 116.6574

# Triad

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



53.6872, 77.8445, 80.6025



84.4190, 77.8445, 156.8970



87.2411, 77.8445, 41.5967

# Complementary

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



53.6872, 77.8445, 80.6025



49.6429, 32.5782, 26.9670

# 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.



96.1177, 77.8445, 59.2807



53.6872, 77.8445, 80.6025



94.3713, 77.8445, 125.9523

# Square

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



53.6872, 77.8445, 80.6025



72.5228, 77.8445, 166.9367



98.8547, 77.8445, 89.0569

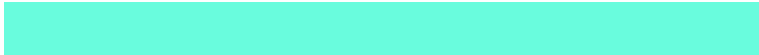


75.4746, 77.8445, 35.2609



# Rectangle

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



53.6872, 77.8445, 80.6025



59.4617, 77.8445, 140.5055



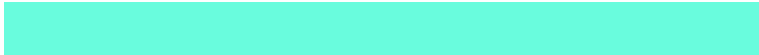
98.8547, 77.8445, 89.0569



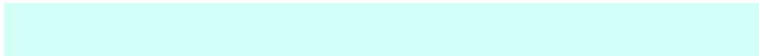
90.7081, 77.8445, 46.1377

# Sweetspot

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



53.6894, 77.8475, 80.6043



79.4233, 92.1102, 100.6671



47.6545, 75.9496, 25.5140



16.6540, 19.5412, 21.3461



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.



53.6894, 77.8475, 80.6043



51.3509, 78.1053, 78.2568



46.5318, 56.3005, 100.5135



17.5998, 19.5422, 21.3592



23.5502, 38.4331, 34.5703



2.2190, 3.5747, 3.4011



# Inverse Universe

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



49.6429, 32.5782, 26.9670



46.9046, 27.7163, 18.8408



53.0766, 42.4765, 18.7673



17.3944, 17.2851, 18.6665



21.2915, 10.9323, 2.9774

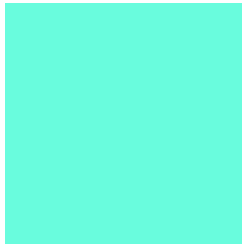


2.0089, 1.0273, 0.4700



# Previews

## White Background



This preview shows how the XYZ color 53.6872, 77.8445, 80.6025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

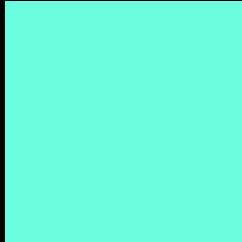
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6872, 77.8445, 80.6025 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

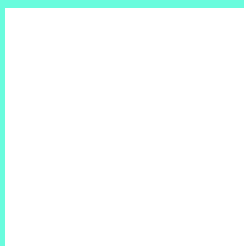
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.6872, 77.8445, 80.6025**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6872, 77.8445, 80.6025.



This preview shows how white text looks on a background with the XYZ color 53.6872, 77.8445,



# 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

53.6872, 77.8445, 80.6025

### Protanopia

72.7198, 76.5599, 69.9763

### Deuteranopia

78.0465, 76.2209, 83.9974



## Tritanopia

63.9080, 77.1172, 106.1245

# Trichromacy



## Original Color

53.6872, 77.8445, 80.6025



## Protanomaly

62.3310, 74.8615, 73.4519



## Deuteranomaly

64.9315, 74.3238, 82.1578



## Tritanomaly

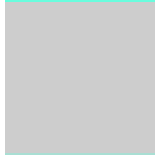
59.5129, 76.8352, 96.4880

# Monochromacy



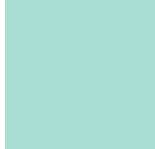
## Original Color

53.6872, 77.8445, 80.6025



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.2413, 65.3807, 71.3889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6872, 77.8445, 80.6025 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(105, 252, 221)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 221)  
}
```

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(105, 252, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6872, 77.8445, 80.6025 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(105, 252, 221) }
```



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

```
.border{ border-color:rgb(105, 252, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 252, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 221);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6872, 77.8445, 80.6025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 221) }
```

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

```
.background{ background-color: rgb(105,  
252, 221) }
```

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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