

# Converting Colors

XYZ(44.3202, 54.1637, 80.2907)

Have a look what the booklet for  
XYZ(44.3202, 54.1637, 80.2907)  
contains.

<b>XYZ(44.1110, 53.9187, 80.0340)</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(44.1110, 53.9187,  
80.0340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CCEE2
RGB	124, 206, 226
RGB Percent	49%, 81%, 89%
CMY	0.5137, 0.1921, 0.1137
CMYK	0.45, 0.09, 0.00, 0.11
HSL	192°, 64%, 69%
HSV	192°, 45%, 89%
XYZ	44.1110, 53.9187, 80.0340
YIQ	183.7620, -55.2920, -11.1640

# Conversions

## Conversions Part 2

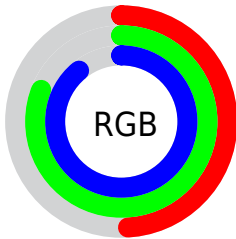
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	124, 169, 226
Decimal	8179426
CIELab	78.41, -19.84, -17.71
CIELCh	78, 26.599, 221.753
Yxy	53.9187, 0.2477, 0.3028
Android (android.graphics.Color)	4286369506 (0xFF7CCEE2)
YUV	183.7620, 20.8233, -52.4113
Hunter-Lab	73.4294, -21.2716, -13.2223

# Details

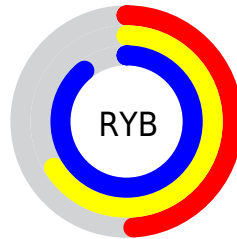
The XYZ color **44.1110, 53.9187, 80.0340** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9766, 37.5717, 23.9519**, and the grayscale version is **45.3408, 47.7021, 51.9476**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **20.8257, 26.5550, 42.5561** is the 20% darker color. If you saturate the color by 10%, you get **40.1602, 50.3218, 79.5489**, and if you desaturate by 10%, it is **48.8436, 57.9657, 80.5667**.

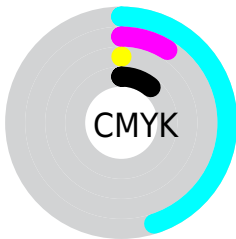
# Distribution



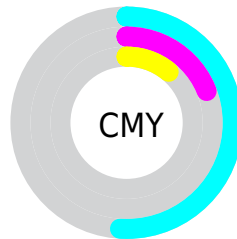
- Red (49%)
- Green (81%)
- Blue (89%)



- Red (49%)
- Yellow (66%)
- Blue (89%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (19%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1110, 53.9187, 80.0340 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 44.1110, 53.9187, 80.0340 by changing the saturation by 10% instead.



■ 44.1110, 53.9187,  
80.0340

■ 44.1110, 53.9187,  
80.0340

354.0056,  
401.7999, 514.7572

■ 30.9561, 38.5367,  
59.2200

■ 80.6301, 95.9549,  
135.2254

■ 20.7171, 26.3995,  
42.3691

■ 104.7249,  
123.3778, 170.4398

■ 13.0286, 17.1227,  
29.0627

■ 133.1971,  
155.5831, 211.2915

■ 7.5254, 10.3220,  
18.8822

166.4120,  
192.9553, 258.1989

■ 3.8420, 5.6130,  
11.4093

204.7349,  
235.8786, 311.5807

■ 1.6132, 2.6112,  
6.2252

248.5312,

■ 0.4010, 0.9323,

284.7376, 371.8553

2.9115

298.1664,  
339.9166, 439.4413

■ 0.0000, 0.0000,  
1.0496

■ 0.0000, 0.0000,  
0.0000

■ 44.1110, 53.9187,  
80.0340

■ 44.1110, 53.9187,  
80.0340

■ 40.1602, 50.3218,  
79.5489

■ 48.8436, 57.9657,  
80.5667

■ 36.9342, 47.1416,  
79.1051


■ 54.4001, 62.4813,  
81.1454


■ 34.3759, 44.3496,  
78.7010


■ 60.8256, 67.4901,  
81.7736


■ 32.4173, 41.9102,  
78.3334


■ 68.1603, 73.0134,  
82.4531


 30.9746, 39.7801,  
77.9983


 76.4417, 79.0708,  
83.1858

 30.3923, 38.8203,  
77.8437

 83.9906, 84.7970,  
83.8932

 85.2580, 87.3317,  
84.3156

 86.5570, 89.9297,  
84.7486

 87.8879, 92.5916,  
85.1923

# Harmonies

## Analogous

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



42.0260, 53.9187, 64.7677



44.1110, 53.9187, 80.0340



48.1656, 53.9187, 90.5014

# Triad

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



44.1110, 53.9187, 80.0340



61.3964, 53.9187, 68.1884



49.2284, 53.9187, 34.7995

# Complementary

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



44.1110, 53.9187, 80.0340



44.9766, 37.5717, 23.9519

# 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.



54.4594, 53.9187, 35.3983



44.1110, 53.9187, 80.0340



61.7293, 53.9187, 53.0391

# Square

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



44.1110, 53.9187, 80.0340



58.2354, 53.9187, 82.9019



59.1163, 53.9187, 41.5533



44.8434, 53.9187, 39.7492



# Rectangle

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



44.1110, 53.9187, 80.0340



51.5561, 53.9187, 92.4281



59.1163, 53.9187, 41.5533



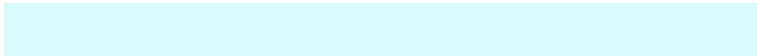
50.9413, 53.9187, 34.3849

# Sweetspot

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



44.1127, 53.9208, 80.0353



80.9213, 89.4617, 107.6106



40.4452, 60.6531, 35.4448



16.9006, 18.8269, 22.9932



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.



44.1127, 53.9208, 80.0353



53.1704, 66.5105, 104.6432



33.9800, 33.6555, 76.6577



13.8763, 15.0918, 17.5693



17.4232, 22.3160, 44.4375



1.2667, 1.6649, 3.0998



# Inverse Universe

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



49.7137, 35.0419, 62.5383



61.6401, 39.6541, 77.8053



54.2285, 56.0756, 27.0359



14.1738, 13.8871, 16.6853



22.7346, 11.1609, 26.3321

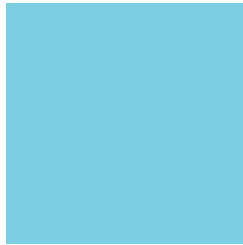


1.6056, 0.7855, 1.9822



# Previews

## White Background



This preview shows how the XYZ color 44.1110, 53.9187, 80.0340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

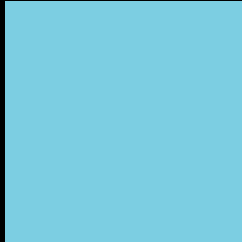
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1110, 53.9187, 80.0340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

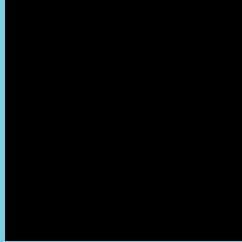
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.1110, 53.9187, 80.0340**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1110, 53.9187, 80.0340.



This preview shows how white text looks on a background with the XYZ color 44.1110, 53.9187,



# 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

44.1110, 53.9187, 80.0340

### Protanopia

52.3603, 53.5278, 73.2179

### Deuteranopia

54.7287, 53.5777, 82.3199



## Tritanopia

43.5590, 53.6813, 77.8778

# Trichromacy



**Original Color**

44.1110, 53.9187, 80.0340

**Protanomaly**

48.4016, 53.0991, 75.4083

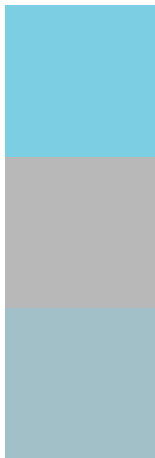
**Deuteranomaly**

50.0201, 53.1224, 81.7460

**Tritanomaly**

43.6942, 53.7354, 78.5900

# Monochromacy



**Original Color**

44.1110, 53.9187, 80.0340

**Achromatopsia**

45.5594, 47.9320, 52.1980

**Achromatomaly**

44.0587, 49.5042, 61.2659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1110, 53.9187, 80.0340 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(124, 206, 226)` looks like.

```
.text, #text, p{  
    color:rgb(124, 206, 226)  
}
```

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(124, 206, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 206, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1110, 53.9187, 80.0340 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(124, 206, 226) }
```



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

```
.border{ border-color:rgb(124, 206, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 206, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 206, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 206, 226);  
box-shadow:4px 4px 4px 4px rgb(124, 206,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1110, 53.9187, 80.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 206, 226) }
```

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

```
.background{ background-color: rgb(124,  
206, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor