

Converting Colors

XYZ(44.9310, 55.2969, 77.6435)

Have a look what the booklet for
XYZ(44.9310, 55.2969, 77.6435)
contains.

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Color

**XYZ(44.7940, 55.0528,
77.3726)**

Conversions

Conversions Part 1

Format	Color
Hex	81D0DE
RGB	129, 208, 222
RGB Percent	51%, 82%, 87%
CMY	0.4941, 0.1843, 0.1294
CMYK	0.42, 0.06, 0.00, 0.13
HSL	189°, 58%, 69%
HSV	189°, 42%, 87%
XYZ	44.7940, 55.0528, 77.3726
YIQ	185.9750, -51.5780, -12.3940

Conversions

Conversions Part 2

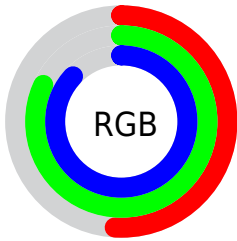
Format	Color
RYB	129, 172, 222
Decimal	8507614
CIELab	79.07, -20.69, -14.56
CIELCh	79, 25.297, 215.129
Yxy	55.0528, 0.2528, 0.3106
Android (android.graphics.Color)	4286697694 (0xFF81D0DE)
YUV	185.9750, 17.7603, -49.9671
Hunter-Lab	74.1976, -22.0831, -9.8888

Details

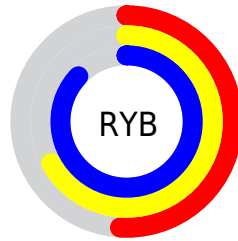
The XYZ color **44.7940, 55.0528, 77.3726** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9102, 36.7606, 25.5516**, and the grayscale version is **46.5840, 49.0100, 53.3719**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **21.0388, 26.9502, 40.6523** is the 20% darker color. If you saturate the color by 10%, you get **40.9755, 51.8888, 76.9641**, and if you desaturate by 10%, it is **49.3656, 58.6331, 77.8237**.

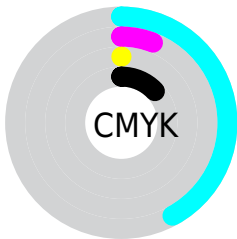
Distribution



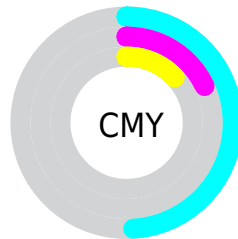
- Red (51%)
- Green (82%)
- Blue (87%)



- Red (51%)
- Yellow (67%)
- Blue (87%)



- Cyan (42%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)





- Cyan (49%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7940, 55.0528, 77.3726 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 44.7940, 55.0528, 77.3726 by changing the saturation by 10% instead.


 44.7940, 55.0528,
77.3726


 44.7940, 55.0528,
77.3726


356.7364,
406.1120, 505.5048


 31.4958, 39.4440,
57.0453


 81.6502, 97.6183,
131.4431

 21.1303, 27.1053,
40.6320


 105.9388,
125.3438, 166.0235

 13.3323, 17.6523,
27.7142


 134.6217,
157.8770, 206.1919

 7.7364, 10.7007,
17.8731

168.0641,
195.6023, 252.3670

 3.9771, 5.8659,
10.6904

206.6314,
238.9040, 304.9674

 1.6892, 2.7637,
5.7475

250.6890,

 0.4495, 1.0097,

288.1666, 364.4114

2.6259

300.6022,
343.7745, 431.1177

■ 0.0000, 0.0000,
0.9058

■ 0.0000, 0.0000,
0.0000

■ 44.7940, 55.0528,
77.3726

■ 44.7940, 55.0528,
77.3726

■ 40.9755, 51.8888,
76.9641

■ 49.3656, 58.6331,
77.8237

■ 37.8569, 49.1096,
76.5920


■ 54.7290, 62.6459,
78.3155


■ 35.3863, 46.6897,
76.2552


■ 60.9260, 67.1143,
78.8514


■ 33.5019, 44.5971,
75.9506


■ 67.9944, 72.0578,
79.4331


 32.1299, 42.7933,
75.6747


 75.9692, 77.4946,
80.0622

 31.2936, 41.4912,
75.4675

 82.1830, 82.0499,
80.6139

 83.1114, 83.9069,
80.9234

 84.0578, 85.7996,
81.2389

 85.0221, 87.7282,
81.5603

Harmonies

Analogous

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



43.2556, 55.0528, 62.4585



44.7940, 55.0528, 77.3726



48.3553, 55.0528, 88.8119

Triad

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



44.7940, 55.0528, 77.3726



61.6193, 55.0528, 72.3894



51.4645, 55.0528, 36.3326

Complementary

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



44.7940, 55.0528, 77.3726



43.9102, 36.7606, 25.5516

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.



56.5084, 55.0528, 38.1252



44.7940, 55.0528, 77.3726



62.5833, 55.0528, 57.4963

Square

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



44.7940, 55.0528, 77.3726



58.1025, 55.0528, 85.6264



60.6583, 55.0528, 45.3499



46.9457, 55.0528, 39.9896

Rectangle

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



44.7940, 55.0528, 77.3726



51.5075, 55.0528, 92.0657



60.6583, 55.0528, 45.3499



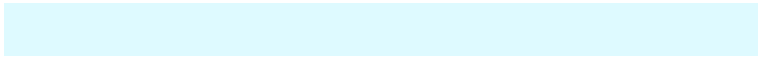
53.1532, 55.0528, 36.3249

Sweetspot

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



44.7957, 55.0549, 77.3739



82.3171, 91.1035, 107.8539



40.1300, 58.8925, 35.2207



17.2005, 19.2005, 23.0495



0.0000, 0.0000, 0.0000



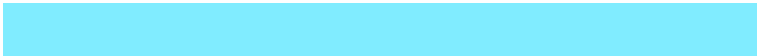
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.7957, 55.0549, 77.3739



56.8175, 71.6513, 105.4432



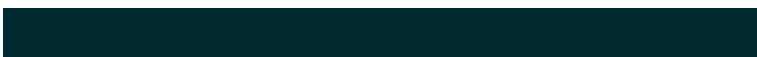
35.0808, 35.6251, 74.1356



13.9316, 15.2023, 17.5878



18.6529, 24.7753, 44.8474



1.3412, 1.8139, 3.1247

Inverse Universe

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



49.3611, 35.7858, 63.9825



64.0066, 42.6132, 84.0629



52.3825, 53.7051, 28.3757



14.2017, 13.8983, 16.8323



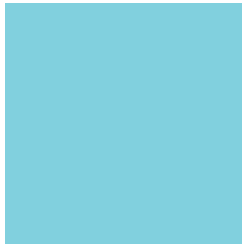
23.3553, 11.4091, 29.6005



1.6432, 0.8006, 2.1802

Previews

White Background



This preview shows how the XYZ color 44.7940, 55.0528, 77.3726 looks on a white background.

Color Contrast Check

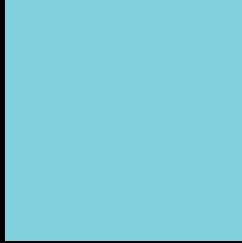
Large Text (above 18pt) WCAG AA × Fail

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 44.7940, 55.0528, 77.3726 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 44.7940, 55.0528, 77.3726

Background



This preview shows how black text looks on a background with the XYZ color 44.7940, 55.0528, 77.3726.



This preview shows how white text looks on a background with the XYZ color 44.7940, 55.0528,

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

44.7940, 55.0528, 77.3726

Protanopia

53.2943, 54.7251, 70.7049

Deuteranopia

55.6941, 54.4600, 79.5279



Tritanopia

45.2163, 55.2394, 78.8001

Trichromacy



Original Color

44.7940, 55.0528, 77.3726

Protanomaly

49.3957, 54.3508, 72.8531

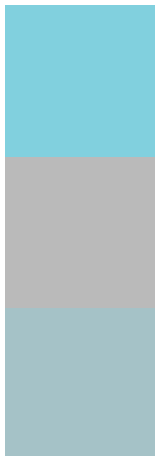
Deuteranomaly

51.0124, 54.3674, 79.0395

Tritanomaly

45.0811, 55.1853, 78.0878

Monochromacy



Original Color

44.7940, 55.0528, 77.3726

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1176, 50.7064, 61.4422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7940, 55.0528, 77.3726 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(129, 208, 222)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 222)  
}
```

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(129, 208, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 222) }
```

Border

The CSS property to change the border of an element to XYZ 44.7940, 55.0528, 77.3726 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(129, 208, 222) }
```


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

```
.border{ border-color:rgb(129, 208, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 208, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 208, 222); box-shadow:4px 4px 4px 4px rgb(129, 208, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7940, 55.0528, 77.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 222) }
```

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

```
.background{ background-color: rgb(129,  
208, 222) }
```

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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