

Converting Colors

XYZ(40.2443, 53.6598, 79.8329)

Have a look what the booklet for
XYZ(40.2443, 53.6598, 79.8329)
contains.

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Color

**XYZ(40.4151, 53.8288,
80.2114)**

Conversions

Conversions Part 1

Format	Color
Hex	51D3E2
RGB	81, 211, 226
RGB Percent	32%, 83%, 89%
CMY	0.6823, 0.1725, 0.1137
CMYK	0.64, 0.07, 0.00, 0.11
HSL	186°, 71%, 60%
HSV	186°, 64%, 89%
XYZ	40.4151, 53.8288, 80.2114
YIQ	173.8400, -82.2950, -22.8950

Conversions

Conversions Part 2

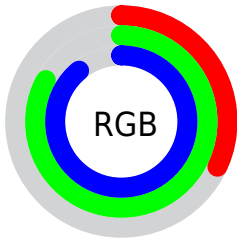
Format	Color
RYP	81, 150, 226
Decimal	5362658
CIELab	78.36, -30.75, -17.94
CIElCh	78, 35.595, 210.259
Yxy	53.8288, 0.2317, 0.3086
Android (android.graphics.Color)	4283552738 (0xFF51D3E2)
YUV	173.8400, 25.7149, -81.4207
Hunter-Lab	73.3681, -30.0668, -13.4625

Details

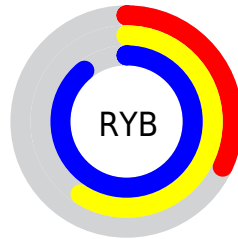
The XYZ color **40.4151, 53.8288, 80.2114** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.0335, 25.1303, 10.6851**, and the grayscale version is **40.0545, 42.1404, 45.8909**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **19.2392, 26.7172, 42.6710** is the 20% darker color. If you saturate the color by 10%, you get **38.2148, 51.8397, 79.9444**, and if you desaturate by 10%, it is **43.2714, 56.1709, 80.5139**.

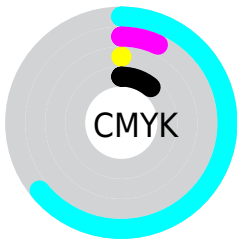
Distribution



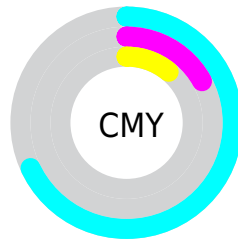
- Red (32%)
- Green (83%)
- Blue (89%)



- Red (32%)
- Yellow (59%)
- Blue (89%)



- Cyan (64%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (68%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4151, 53.8288, 80.2114 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 40.4151, 53.8288, 80.2114 by changing the saturation by 10% instead.

40.4151, 53.8288,
80.2114

40.4151, 53.8288,
80.2114

338.9746,
401.4568, 515.3705

28.0480, 38.4648,
59.3651

75.0755, 95.8228,
135.4770

18.5025, 26.3436,
42.4852

98.0996, 123.2217,
170.7334

11.4132, 17.0809,
29.1530

125.4066,
155.4009, 211.6303

6.4148, 10.2922,
18.9500

157.3620,
192.7449, 258.5862

3.1420, 5.5931,
11.4577

194.3312,
235.6381, 312.0196

1.2293, 2.5993,
6.2576

236.6794,

0.1293, 0.9263,

284.4649, 372.3491

2.9310

284.7721,
339.6097, 439.9932

■ 0.0000, 0.0000,
1.0595

■ 0.0000, 0.0000,
0.0000

■ 40.4151, 53.8288,
80.2114

■ 40.4151, 53.8288,
80.2114

■ 38.2148, 51.8397,
79.9444

■ 43.2714, 56.1709,
80.5139

■ 36.5988, 50.1631,
79.7060

■ 46.8363, 58.8898,
80.8508

■ 35.4871, 48.7590,
79.4936

■ 51.1630, 62.0140,
81.2258

■ 34.9947, 48.0252,
79.3779

■ 56.2979, 65.5676,
81.6411

■ 62.2837, 69.5726,
82.0987

■ 69.1604, 74.0496,
82.6004

■ 76.9650, 79.0179,
83.1480

■ 83.1826, 83.1809,
83.6238

■ 83.8365, 84.4887,
83.8418

Harmonies

Analogous

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



38.8714, 53.8288, 58.7843



40.4151, 53.8288, 80.2114



44.7841, 53.8288, 98.7602

Triad

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



40.4151, 53.8288, 80.2114



63.7345, 53.8288, 79.8410



51.1020, 53.8288, 27.9437

Complementary

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



40.4151, 53.8288, 80.2114



37.0335, 25.1303, 10.6851

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.



58.1198, 53.8288, 31.1515



40.4151, 53.8288, 80.2114



65.8050, 53.8288, 58.4369

Square

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



40.4151, 53.8288, 80.2114



58.2343, 53.8288, 98.5143



63.6643, 53.8288, 41.2838



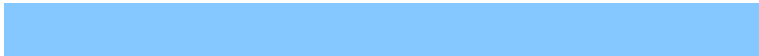
44.6880, 53.8288, 31.2657

Rectangle

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



40.4151, 53.8288, 80.2114



48.9234, 53.8288, 105.2892



63.6643, 53.8288, 41.2838



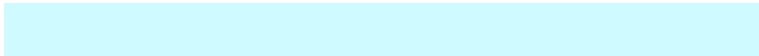
53.4693, 53.8288, 28.2833

Sweetspot

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



40.4168, 53.8308, 80.2127



77.8385, 88.7846, 107.6423



32.6796, 56.9787, 20.2236



16.1856, 18.6843, 23.0033



0.0000, 0.0000, 0.0000



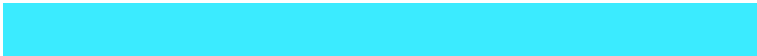
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4168, 53.8308, 80.2127



49.4523, 67.3779, 105.0066



26.3552, 25.7077, 75.5255



13.9891, 15.3173, 17.6069



20.0157, 27.5009, 45.3016



1.4227, 1.9769, 3.1518

Inverse Universe

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



46.0658, 26.7585, 64.3669



57.7365, 30.3323, 81.1736



46.8534, 44.7701, 13.9584



14.2307, 13.9099, 16.9851



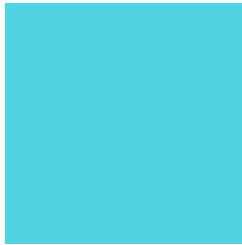
24.0432, 11.6843, 33.2228



1.6844, 0.8170, 2.3968

Previews

White Background



This preview shows how the XYZ color 40.4151, 53.8288, 80.2114 looks on a white background.

Color Contrast Check

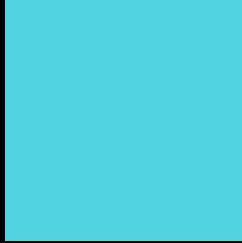
Large Text (above 18pt) WCAG AA × Fail

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 40.4151, 53.8288, 80.2114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

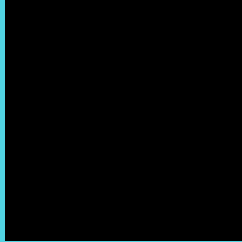
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4151, 53.8288, 80.2114

Background



This preview shows how black text looks on a background with the XYZ color 40.4151, 53.8288, 80.2114.



This preview shows how white text looks on a background with the XYZ color 40.4151, 53.8288,

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

40.4151, 53.8288, 80.2114

Protanopia

51.8762, 53.0128, 70.4491

Deuteranopia

54.1453, 52.9424, 82.9665



Tritanopia

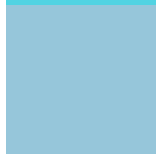
40.7775, 53.9838, 81.6695

Trichromacy



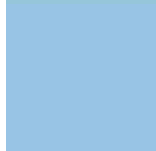
Original Color

40.4151, 53.8288, 80.2114



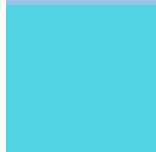
Protanomaly

45.4266, 51.9342, 73.9597



Deuteranomaly

46.8317, 51.8124, 81.6612



Tritanomaly

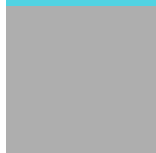
40.6391, 53.9284, 80.9404

Monochromacy



Original Color

40.4151, 53.8288, 80.2114



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2112, 44.9664, 57.1175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4151, 53.8288, 80.2114 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(81, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(81, 211, 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(81, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 211, 226) }
```

Border

The CSS property to change the border of an element to XYZ 40.4151, 53.8288, 80.2114 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(81, 211, 226) }
```


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

```
.border{ border-color:rgb(81, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(81, 211,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4151, 53.8288, 80.2114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 211, 226) }
```

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

```
.background{ background-color: rgb(81, 211,  
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](#).

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