

Converting Colors

XYZ(51.8805, 68.7936, 81.4717)

Have a look what the booklet for
XYZ(51.8805, 68.7936, 81.4717)
contains.

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Color

**XYZ(51.9155, 68.8711,
81.7914)**

Conversions

Conversions Part 1

Format	Color
Hex	80EAE1
RGB	128, 234, 225
RGB Percent	50%, 92%, 88%
CMY	0.4980, 0.0823, 0.1176
CMYK	0.45, 0.00, 0.04, 0.08
HSL	175°, 72%, 71%
HSV	175°, 45%, 92%
XYZ	51.9155, 68.8711, 81.7914
YIQ	201.2800, -60.2870, -25.2710

Conversions

Conversions Part 2

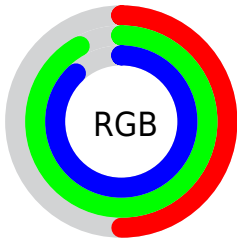
Format	Color
R _Y B	128, 183, 234
Decimal	8448737
CIE Lab	86.44, -32.84, -5.19
CIE LCh	86, 33.242, 188.977
Yxy	68.8711, 0.2563, 0.3400
Android (android.graphics.Color)	4286638817 (0xFF80EAE1)
YUV	201.2800, 11.6940, -64.2666
Hunter-Lab	82.9886, -33.5652, -0.3426

Details

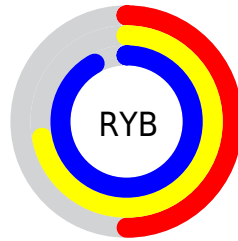
The XYZ color **51.9155, 68.8711, 81.7914** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.1685, 34.7388, 27.9412**, and the grayscale version is **55.6492, 58.5473, 63.7580**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **25.5600, 35.9720, 43.6264** is the 20% darker color. If you saturate the color by 10%, you get **48.5244, 67.1558, 80.2270**, and if you desaturate by 10%, it is **56.1253, 71.0115, 83.4136**.

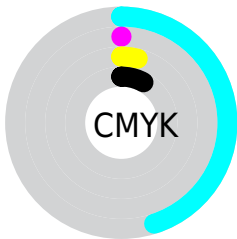
Distribution



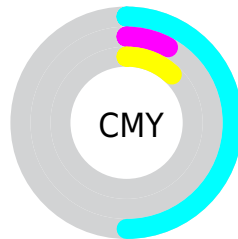
- Red (50%)
- Green (92%)
- Blue (88%)



- Red (50%)
- Yellow (72%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9155, 68.8711, 81.7914 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 51.9155, 68.8711, 81.7914 by changing the saturation by 10% instead.


 51.9155, 68.8711,
81.7914


 51.9155, 68.8711,
81.7914


384.4396,
456.5762, 520.8148


 37.1617, 50.6067,
60.6588


 92.1816, 117.5974,
137.7155

 25.5070, 35.8957,
43.5211

 118.4246,
148.8282, 173.3441

 16.5859, 24.3537,
29.9598

 149.2280,
185.1499, 214.6417

 10.0332, 15.5962,
19.5563

184.9573,
226.9470, 262.0269

 5.4834, 9.2389,
11.8920

225.9778,
274.6037, 315.9183

 2.5712, 4.8973,
6.5486

272.6547,

 0.9313, 2.1871,

328.5046, 376.7344

3.1073

325.3536,
389.0339, 444.8937

■ 0.0000, 0.7130,
1.1497

■ 0.0000, 0.0000,
0.0000

■ 51.9155, 68.8711,
81.7914

■ 51.9155, 68.8711,
81.7914

■ 48.5244, 67.1558,
80.2270

■ 56.1253, 71.0115,
83.4136

■ 45.8895, 65.8282,
78.7129


■ 61.1990, 73.5952,
85.0912


■ 43.9489, 64.8582,
77.2477


■ 67.1855, 76.6491,
86.8282


■ 42.6282, 64.2074,
75.8278


■ 74.1285, 80.1958,
88.6265


 41.8361, 63.8288,
74.4489


 82.0688, 84.2561,
90.4882

 41.5783, 63.7097,
73.8116

 85.9392, 86.2180,
92.1762

 86.2311, 86.3348,
93.7135

 86.5263, 86.4529,
95.2679

 86.8247, 86.5723,
96.8392

Harmonies

Analogous

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



52.6066, 68.8711, 60.8013



51.9155, 68.8711, 81.7914



54.6259, 68.8711, 104.8994

Triad

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



51.9155, 68.8711, 81.7914



75.2067, 68.8711, 112.9568



70.9084, 68.8711, 42.0027

Complementary

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



51.9155, 68.8711, 81.7914



46.1685, 34.7388, 27.9412

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.



77.6393, 68.8711, 51.3844



51.9155, 68.8711, 81.7914



80.2528, 68.8711, 91.2278

Square

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



51.9155, 68.8711, 81.7914



67.7939, 68.8711, 125.0692



81.1763, 68.8711, 68.5745



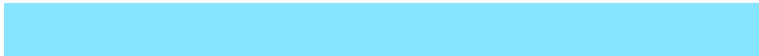
63.1801, 68.8711, 40.4592

Rectangle

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



51.9155, 68.8711, 81.7914



58.1320, 68.8711, 117.4411



81.1763, 68.8711, 68.5745



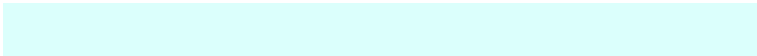
73.3792, 68.8711, 44.2417

Sweetspot

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



51.9175, 68.8738, 81.7930



82.6294, 93.6529, 105.7907



43.9020, 65.8615, 30.8221



17.3211, 19.8593, 22.5439



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.



51.9175, 68.8738, 81.7930



59.3603, 81.8123, 97.6987



42.5174, 48.0559, 84.8798



15.4593, 17.0985, 19.1014



23.3871, 35.8093, 41.5989



1.8527, 2.8184, 3.3523

Inverse Universe

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



46.1685, 34.7388, 27.9412



51.5984, 35.6374, 24.9262



52.2802, 47.9529, 26.9238



15.1174, 15.0748, 15.9035



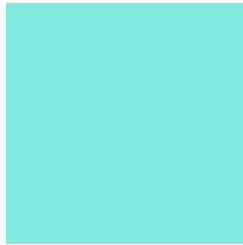
19.1567, 9.8654, 1.3607



1.5222, 0.7818, 0.2013

Previews

White Background



This preview shows how the XYZ color 51.9155, 68.8711, 81.7914 looks on a white background.

Color Contrast Check

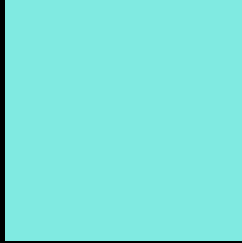
Large Text (above 18pt) WCAG AA × Fail

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 51.9155, 68.8711, 81.7914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

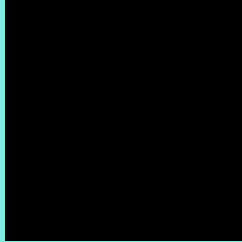
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

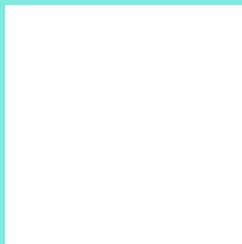
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9155, 68.8711, 81.7914

Background



This preview shows how black text looks on a background with the XYZ color 51.9155, 68.8711, 81.7914.

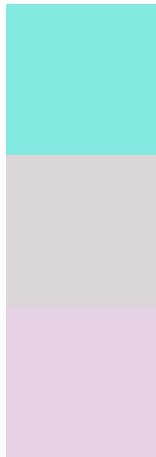


This preview shows how white text looks on a background with the XYZ color 51.9155, 68.8711,

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

51.9155, 68.8711, 81.7914

Protanopia

65.2702, 67.9573, 72.6278

Deuteranopia

69.3965, 67.9721, 84.3253



Tritanopia

55.3874, 68.5841, 99.9414

Trichromacy



Original Color

51.9155, 68.8711, 81.7914



Protanomaly

58.6305, 67.1618, 75.5190



Deuteranomaly

60.8132, 66.9507, 83.1164



Tritanomaly

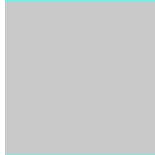
53.8198, 68.3486, 92.7941

Monochromacy



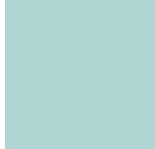
Original Color

51.9155, 68.8711, 81.7914



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.8827, 61.2403, 70.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9155, 68.8711, 81.7914 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(128, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 234, 225)  
}
```

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(128, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 234, 225) }
```

Border

The CSS property to change the border of an element to XYZ 51.9155, 68.8711, 81.7914 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(128, 234, 225) }
```


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

```
.border{ border-color:rgb(128, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(128, 234,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9155, 68.8711, 81.7914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 234, 225) }
```

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

```
.background{ background-color: rgb(128,  
234, 225) }
```

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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