

Converting Colors

XYZ(50.3111, 64.8091, 69.9800)

Have a look what the booklet for
XYZ(50.3111, 64.8091, 69.9800)
contains.

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Color

**XYZ(50.3820, 65.0159,
70.2155)**

Conversions

Conversions Part 1

Format	Color
Hex	91E2D1
RGB	145, 226, 209
RGB Percent	57%, 89%, 82%
CMY	0.4314, 0.1137, 0.1804
CMYK	0.36, 0.00, 0.08, 0.11
HSL	167°, 58%, 73%
HSV	167°, 36%, 89%
XYZ	50.3820, 65.0159, 70.2155
YIQ	199.8430, -42.8190, -22.4590

Conversions

Conversions Part 2

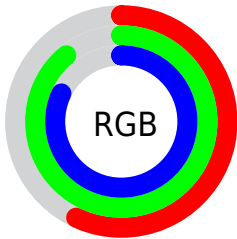
Format	Color
RYB	145, 190, 226
Decimal	9560785
CIELab	84.49, -28.50, 0.47
CIELCh	84, 28.506, 179.053
Yxy	65.0159, 0.2714, 0.3503
Android (android.graphics.Color)	4287750865 (0xFF91E2D1)
YUV	199.8430, 4.5144, -48.0973
Hunter-Lab	80.6324, -29.5737, 4.8124

Details

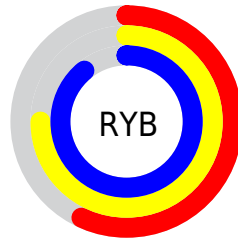
The XYZ color **50.3820, 65.0159, 70.2155** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.0132, 39.0299, 39.1878**, and the grayscale version is **54.7966, 57.6502, 62.7811**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **24.5076, 33.2897, 36.1442** is the 20% darker color. If you saturate the color by 10%, you get **46.2107, 62.9340, 67.0009**, and if you desaturate by 10%, it is **55.3667, 67.5184, 73.5623**.

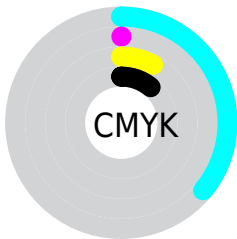
Distribution



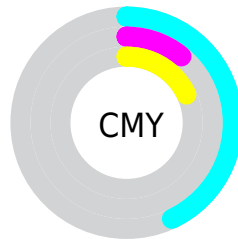
- Red (57%)
- Green (89%)
- Blue (82%)



- Red (57%)
- Yellow (75%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (43%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3820, 65.0159, 70.2155 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 50.3820, 65.0159, 70.2155 by changing the saturation by 10% instead.

 50.3820, 65.0159,
70.2155


 50.3820, 65.0159,
70.2155


378.5853,
442.8491, 480.1159

 35.9361, 47.4740,
51.2244


 89.9290, 112.0727,
121.2000

 24.5547, 33.4105,
36.0092

 115.7609,
142.3564, 154.0305

 15.8726, 22.4411,
24.1516


146.1187,
177.6561, 192.3111

 9.5243, 14.1814,
15.2329

181.3679,
218.3563, 236.4604

 5.1445, 8.2469,
8.8345

221.8738,
264.8412, 286.8971

 2.3679, 4.2534,
4.5381

268.0017,

 0.8291, 1.8163,

317.4954, 344.0395

1.9249

320.1171,
376.7033, 408.3062

0.0000, 0.4973,
0.5085

0.0000, 0.0000,
0.0000

50.3820, 65.0159,
70.2155

50.3820, 65.0159,
70.2155

46.2107, 62.9340,
67.0009

55.3667, 67.5184,
73.5623

42.7997, 61.2405,
63.9109

61.2026, 70.4560,
77.0396

40.0987, 59.9109,
60.9440

67.9320, 73.8521,
80.6516

38.0484, 58.9148,
58.0964

75.5926, 77.7263,
84.4008

■ 36.5800, 58.2168,
55.3642

■ 83.1057, 81.5223,
88.2374

■ 35.6083, 57.7729,
52.7425

■ 83.7916, 81.7967,
91.8496

■ 35.2902, 57.6321,
51.6816

■ 84.4959, 82.0784,
95.5585

■ 85.2188, 82.3675,
99.3647

■ 85.9602, 82.6641,
103.2690

Harmonies

Analogous

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



51.9115, 65.0159, 54.3005



50.3820, 65.0159, 70.2155



51.7322, 65.0159, 89.1513

Triad

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



50.3820, 65.0159, 70.2155



67.9118, 65.0159, 105.9393



68.2843, 65.0159, 44.8538

Complementary

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



50.3820, 65.0159, 70.2155



48.0132, 39.0299, 39.1878

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.



73.0862, 65.0159, 55.1427



50.3820, 65.0159, 70.2155



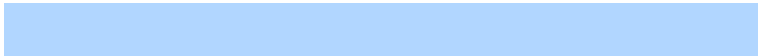
72.8610, 65.0159, 90.3225

Square

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



50.3820, 65.0159, 70.2155



61.5943, 65.0159, 111.7899



74.8147, 65.0159, 71.3702



61.9975, 65.0159, 41.2870

Rectangle

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



50.3820, 65.0159, 70.2155



54.1399, 65.0159, 100.5985



74.8147, 65.0159, 71.3702



70.1411, 65.0159, 47.5434

Sweetspot

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



50.3839, 65.0185, 70.2170



84.5392, 94.6893, 103.5355



47.3214, 64.1788, 36.6828



17.8396, 20.1386, 22.0226



0.0000, 0.0000, 0.0000



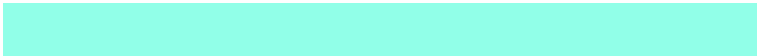
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3839, 65.0185, 70.2170



62.0620, 83.3969, 89.1582



46.7742, 54.2485, 79.9603



13.9869, 15.5205, 16.9662



20.1770, 32.8957, 29.7188



1.4298, 2.2927, 2.2247

Inverse Universe

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



48.0132, 39.0299, 39.1878



58.5210, 44.4587, 42.7218



50.4704, 46.2018, 33.0469



13.8244, 13.7474, 14.8452



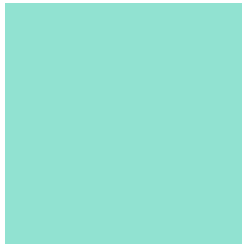
18.2261, 9.3574, 2.5903



1.2960, 0.6617, 0.3514

Previews

White Background



This preview shows how the XYZ color 50.3820, 65.0159, 70.2155 looks on a white background.

Color Contrast Check

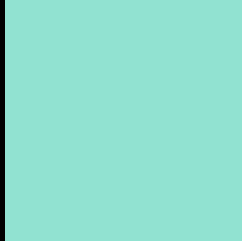
Large Text (above 18pt) WCAG AA × Fail

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 50.3820, 65.0159, 70.2155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

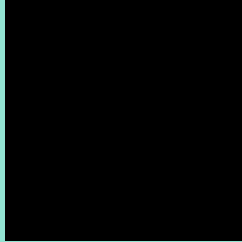
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3820, 65.0159, 70.2155

Background



This preview shows how black text looks on a background with the XYZ color 50.3820, 65.0159, 70.2155.

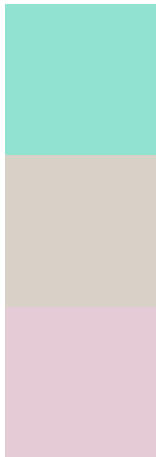


This preview shows how white text looks on a background with the XYZ color 50.3820, 65.0159,

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

50.3820, 65.0159, 70.2155

Protanopia

61.5447, 64.3700, 63.8245

Deuteranopia

65.4884, 64.0609, 72.5317



Tritanopia

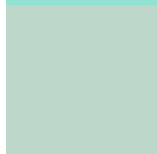
54.6502, 65.1499, 91.3562

Trichromacy



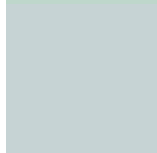
Original Color

50.3820, 65.0159, 70.2155



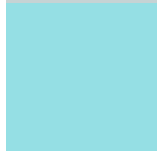
Protanomaly

56.3151, 63.8598, 65.8580



Deuteranomaly

58.4666, 63.3478, 71.4332



Tritanomaly

52.7857, 64.7663, 83.1178

Monochromacy



Original Color

50.3820, 65.0159, 70.2155



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.4023, 59.6160, 65.2451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3820, 65.0159, 70.2155 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(145, 226, 209)` looks like.

```
.text, #text, p{  
    color:rgb(145, 226, 209)  
}
```

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(145, 226, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 226, 209) }
```

Border

The CSS property to change the border of an element to XYZ 50.3820, 65.0159, 70.2155 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(145, 226, 209) }
```


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

```
.border{ border-color:rgb(145, 226, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 226, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 226, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 226, 209); box-shadow:4px 4px 4px 4px rgb(145, 226, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3820, 65.0159, 70.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 226, 209) }
```

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

```
.background{ background-color: rgb(145,  
226, 209) }
```

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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