

Converting Colors

XYZ(50.3129, 64.7341, 70.1423)

Have a look what the booklet for
XYZ(50.3129, 64.7341, 70.1423)
contains.

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Color

**XYZ(50.2879, 64.5649,
70.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	92E1D1
RGB	146, 225, 209
RGB Percent	57%, 88%, 82%
CMY	0.4274, 0.1176, 0.1804
CMYK	0.35, 0.00, 0.07, 0.12
HSL	168°, 57%, 73%
HSV	168°, 35%, 88%
XYZ	50.2879, 64.5649, 70.1334
YIQ	199.5550, -41.9480, -21.7240

Conversions

Conversions Part 2

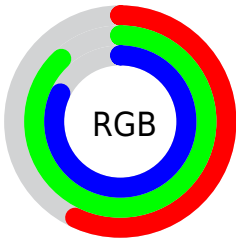
Format	Color
R_{YB}	146, 190, 225
Decimal	9626065
CIE _{Lab}	84.26, -27.75, 0.14
CIE _{LCh}	84, 27.751, 179.718
Yxy	64.5649, 0.2718, 0.3490
Android (android.graphics.Color)	4287816145 (0xFF92E1D1)
YUV	199.5550, 4.6564, -46.9677
Hunter-Lab	80.3523, -28.9036, 4.4969

Details

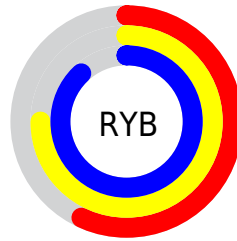
The XYZ color **50.2879, 64.5649, 70.1334** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.8540, 39.1757, 39.2244**, and the grayscale version is **54.6184, 57.4628, 62.5770**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **24.4187, 32.9666, 36.0865** is the 20% darker color. If you saturate the color by 10%, you get **46.1192, 62.4818, 67.0357**, and if you desaturate by 10%, it is **55.2635, 67.0654, 73.3559**.

Distribution



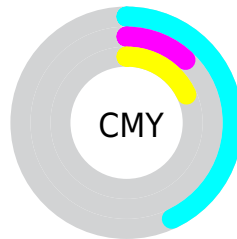
- Red (57%)
- Green (88%)
- Blue (82%)



- Red (57%)
- Yellow (75%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)





- Cyan (43%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2879, 64.5649, 70.1334 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 50.2879, 64.5649, 70.1334 by changing the saturation by 10% instead.


 50.2879, 64.5649,
70.1334


 50.2879, 64.5649,
70.1334


378.2241,
441.2268, 479.8200

 35.8609, 47.1084,
51.1578


 89.7906, 111.4241,
121.0819

 24.4964, 33.1213,
35.9566


 115.5970,
141.5955, 153.8918

 15.8290, 22.2194,
24.1113

145.9273,
176.7740, 192.1504

 9.4933, 14.0182,
15.2032

181.1468,
217.3440, 236.2760

 5.1240, 8.1333,
8.8139

221.6209,
263.6899, 286.6872

 2.3557, 4.1804,
4.5249

267.7149,

 0.8229, 1.7750,

316.1961, 343.8026

1.9175

319.7942,
375.2469, 408.0407

■ 0.0000, 0.4715,
0.5038

■ 0.0000, 0.0000,
0.0000

■ 50.2879, 64.5649,
70.1334

■ 50.2879, 64.5649,
70.1334

■ 46.1192, 62.4818,
67.0357

■ 55.2635, 67.0654,
73.3559

■ 42.7054, 60.7843,
64.0556


■ 61.0834, 69.9976,
76.7015


■ 39.9970, 59.4487,
61.1914


■ 67.7888, 73.3845,
80.1741

■ 37.9361, 58.4450,
58.4396


■ 75.4172, 77.2453,
83.7763


 36.4553, 57.7386,
55.7965


 82.7021, 80.9270,
87.4494


 35.4723, 57.2870,
53.2574

 83.3573, 81.1891,
90.8998

 35.1063, 57.1247,
52.0505

 84.0294, 81.4580,
94.4393

 84.7186, 81.7336,
98.0685

 85.4250, 82.0162,
101.7881

Harmonies

Analogous

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



51.7137, 64.5649, 54.5718



50.2879, 64.5649, 70.1334



51.6617, 64.5649, 88.4555

Triad

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



50.2879, 64.5649, 70.1334



67.4161, 64.5649, 103.9952



67.5236, 64.5649, 44.9284

Complementary

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



50.2879, 64.5649, 70.1334



47.8540, 39.1757, 39.2244

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.



72.2175, 64.5649, 54.8164



50.2879, 64.5649, 70.1334



72.1526, 64.5649, 88.7929

Square

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



50.2879, 64.5649, 70.1334



61.3087, 64.5649, 109.8837



73.9644, 64.5649, 70.4673



61.4253, 64.5649, 41.5874

Rectangle

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



50.2879, 64.5649, 70.1334



54.0363, 64.5649, 99.4215



73.9644, 64.5649, 70.4673



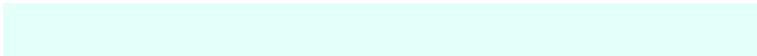
69.3324, 64.5649, 47.5054

Sweetspot

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



50.2897, 64.5675, 70.1349



84.5713, 94.7022, 103.7049



47.2437, 63.7273, 37.0059



17.8473, 20.1417, 22.0632



0.0000, 0.0000, 0.0000



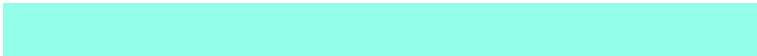
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2897, 64.5675, 70.1349



62.7064, 83.7073, 90.1721



46.7122, 54.0806, 79.2138



13.9914, 15.5223, 16.9898



20.2720, 32.9337, 30.2191



1.4357, 2.2950, 2.2553

Inverse Universe

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



47.8540, 39.1757, 39.2244



59.0316, 45.2954, 43.4609



50.3153, 46.2318, 33.4670



13.8202, 13.7457, 14.8234



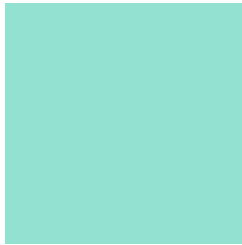
18.2062, 9.3495, 2.4855



1.2940, 0.6609, 0.3412

Previews

White Background



This preview shows how the XYZ color 50.2879, 64.5649, 70.1334 looks on a white background.

Color Contrast Check

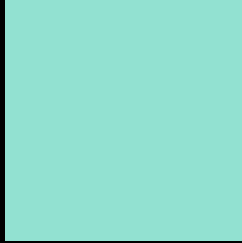
Large Text (above 18pt) WCAG AA × Fail

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 50.2879, 64.5649, 70.1334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

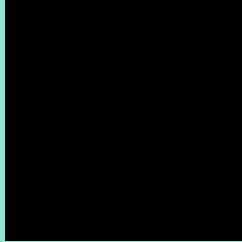
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

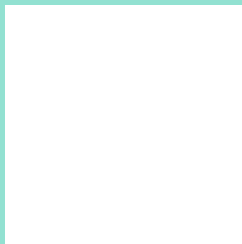
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2879, 64.5649, 70.1334

Background



This preview shows how black text looks on a background with the XYZ color 50.2879, 64.5649, 70.1334.

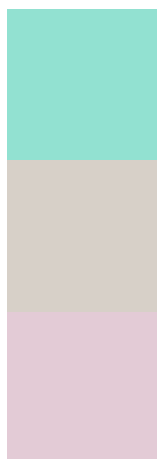


This preview shows how white text looks on a background with the XYZ color 50.2879, 64.5649,

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

50.2879, 64.5649, 70.1334

Protanopia

61.0055, 63.7290, 63.7292

Deuteranopia

65.1721, 63.8978, 72.5169



Tritanopia

54.4259, 64.6583, 90.5007

Trichromacy



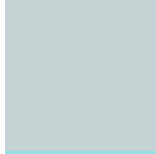
Original Color

50.2879, 64.5649, 70.1334



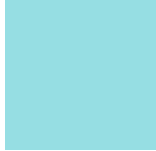
Protanomaly

56.0613, 63.3521, 65.7733



Deuteranomaly

58.4666, 63.3478, 71.4332



Tritanomaly

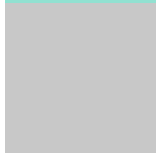
52.5641, 64.2726, 82.3085

Monochromacy



Original Color

50.2879, 64.5649, 70.1334



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 50.2879, 64.5649, 70.1334 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(146, 225, 209)` looks like.

```
.text, #text, p{  
    color:rgb(146, 225, 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(146, 225, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 225, 209) }
```

Border

The CSS property to change the border of an element to XYZ 50.2879, 64.5649, 70.1334 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(146, 225, 209) }
```


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

```
.border{ border-color:rgb(146, 225, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 225, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 225, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 225, 209); box-shadow:4px 4px 4px 4px rgb(146, 225, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2879, 64.5649, 70.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 225, 209) }
```

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

```
.background{ background-color: rgb(146,  
225, 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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