

Converting Colors

XYZ(49.0040, 65.2091, 66.0846)

Have a look what the booklet for
XYZ(49.0040, 65.2091, 66.0846)
contains.

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Color

**XYZ(48.8853, 65.1543,
65.8766)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE4CA
RGB	138, 228, 202
RGB Percent	54%, 89%, 79%
CMY	0.4588, 0.1059, 0.2078
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 63%, 72%
HSV	163°, 39%, 89%
XYZ	48.8853, 65.1543, 65.8766
YIQ	198.1260, -45.2940, -27.1660

Conversions

Conversions Part 2

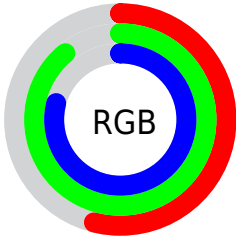
Format	Color
RYB	138, 191, 228
Decimal	9102538
CIELab	84.56, -32.86, 4.23
CIElCh	85, 33.128, 172.666
Yxy	65.1543, 0.2717, 0.3621
Android (android.graphics.Color)	4287292618 (0xFF8AE4CA)
YUV	198.1260, 1.9099, -52.7305
Hunter-Lab	80.7182, -33.1521, 8.1144

Details

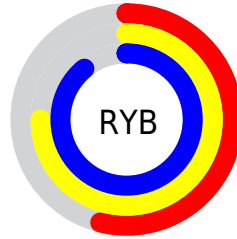
The XYZ color **48.8853, 65.1543, 65.8766** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.7864, 37.3530, 39.8158**, and the grayscale version is **53.7631, 56.5629, 61.5970**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.5775, 33.4370, 33.2283** is the 20% darker color. If you saturate the color by 10%, you get **44.7387, 63.1065, 61.6986**, and if you desaturate by 10%, it is **53.8607, 67.6288, 70.2701**.

Distribution



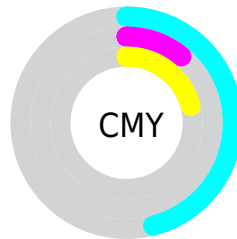
- Red (54%)
- Green (89%)
- Blue (79%)



- Red (54%)
- Yellow (75%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8853, 65.1543, 65.8766 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 48.8853, 65.1543, 65.8766 by changing the saturation by 10% instead.


 48.8853, 65.1543,
65.8766

 48.8853, 65.1543,
65.8766


372.8150,
443.3462, 464.3276


 34.7427, 47.5862,
47.7164


 87.7228, 112.2717,
114.9345

 23.6303, 33.4993,
33.2439


 113.1484,
142.5897, 146.6693

 15.1828, 22.5092,
22.0407


 143.0657,
177.9266, 183.7660

 9.0350, 14.2315,
13.6882

177.8401,
218.6666, 226.6432

 4.8213, 8.2819,
7.7679

217.8368,
265.1942, 275.7194

 2.1765, 4.2758,
3.8611

263.4213,

 0.7303, 1.8290,

317.8937, 331.4132

1.5495

314.9589,
377.1496, 394.1431

■ 0.0000, 0.5052,
0.2544

■ 0.0000, 0.0000,
0.0000

■ 48.8853, 65.1543,
65.8766

■ 48.8853, 65.1543,
65.8766

■ 44.7387, 63.1065,
61.6986

■ 53.8607, 67.6288,
70.2701

■ 41.3650, 61.4517,
57.7270


■ 59.7053, 70.5459,
74.8787


■ 38.7100, 60.1637,
53.9585


■ 66.4637, 73.9301,
79.7082


■ 36.7098, 59.2095,
50.3880


■ 74.1754, 77.8017,
84.7622

 35.2888, 58.5503,
47.0096


 82.8777, 82.1800,
90.0447


 34.3237, 58.1225,
43.8153

 84.9403, 83.1314,
95.2004

 34.2778, 58.1023,
43.6517

 85.9453, 83.5334,
100.4925

 86.9863, 83.9497,
105.9741

 87.0345, 83.9690,
106.2282

Harmonies

Analogous

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



51.3099, 65.1543, 49.0282



48.8853, 65.1543, 65.8766



49.7275, 65.1543, 87.7940

Triad

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



48.8853, 65.1543, 65.8766



67.5614, 65.1543, 115.4695



70.9434, 65.1543, 43.2729

Complementary

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



48.8853, 65.1543, 65.8766



47.7864, 37.3530, 39.8158

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.



75.9749, 65.1543, 56.3974



48.8853, 65.1543, 65.8766



73.9166, 65.1543, 98.5708

Square

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



48.8853, 65.1543, 65.8766



60.1323, 65.1543, 119.3984



77.1040, 65.1543, 76.2605



63.7575, 65.1543, 37.7711

Rectangle

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



48.8853, 65.1543, 65.8766



52.0625, 65.1543, 102.2231



77.1040, 65.1543, 76.2605



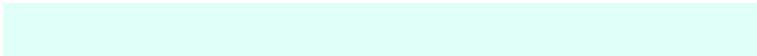
72.9654, 65.1543, 46.7979

Sweetspot

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



48.8871, 65.1569, 65.8781



83.2836, 94.0949, 101.0896



47.8499, 65.3238, 34.1327



17.5752, 20.0145, 21.4608



0.0000, 0.0000, 0.0000



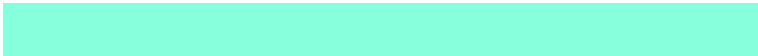
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8871, 65.1569, 65.8781



58.7437, 81.8705, 80.6765



47.5334, 57.1003, 81.9179



14.6206, 16.2617, 17.5330



19.8462, 33.5706, 25.4883



1.5063, 2.4967, 2.0929

Inverse Universe

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



47.7864, 37.3530, 39.8158



57.1594, 41.5236, 42.9215



48.4729, 42.1077, 29.6187



14.5474, 14.4361, 15.8169



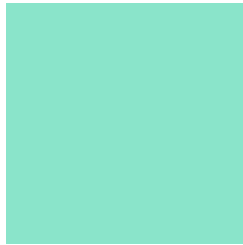
19.0852, 9.7683, 4.0779



1.4496, 0.7375, 0.5080

Previews

White Background



This preview shows how the XYZ color 48.8853, 65.1543, 65.8766 looks on a white background.

Color Contrast Check

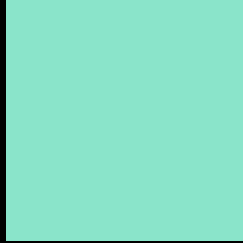
Large Text (above 18pt) WCAG AA × Fail

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 48.8853, 65.1543, 65.8766 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

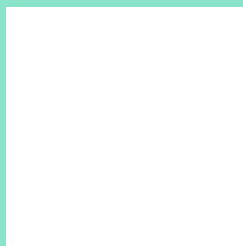
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8853, 65.1543, 65.8766

Background



This preview shows how black text looks on a background with the XYZ color 48.8853, 65.1543, 65.8766.



This preview shows how white text looks on a background with the XYZ color 48.8853, 65.1543,

65.8766.

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

48.8853, 65.1543, 65.8766

Protanopia

61.2283, 64.3121, 59.0556

Deuteranopia

65.5734, 64.2058, 67.9683



Tritanopia

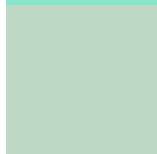
54.0622, 64.8297, 92.1021

Trichromacy



Original Color

48.8853, 65.1543, 65.8766



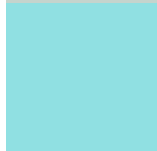
Protanomaly

55.5059, 63.9161, 61.6361



Deuteranomaly

57.5889, 63.3651, 66.9530



Tritanomaly

51.8847, 64.7316, 81.7113

Monochromacy



Original Color

48.8853, 65.1543, 65.8766



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.0138, 58.9546, 62.7235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8853, 65.1543, 65.8766 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(138, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(138, 228, 202)  
}
```

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(138, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 228, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.8853, 65.1543, 65.8766 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(138, 228, 202) }
```


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

```
.border{ border-color:rgb(138, 228, 202) }
```

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

Here you see how a box with a 4 pixel rgb(138, 228, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(138, 228,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8853, 65.1543, 65.8766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 228, 202) }
```

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

```
.background{ background-color: rgb(138,  
228, 202) }
```

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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