

Converting Colors

XYZ(50.1183, 63.9987, 64.5619)

Have a look what the booklet for
XYZ(50.1183, 63.9987, 64.5619)
contains.

XYZ(50.2179, 64.2537, 64.3990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.2179, 64.2537,
64.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	99E0C8
RGB	153, 224, 200
RGB Percent	60%, 88%, 78%
CMY	0.4000, 0.1216, 0.2157
CMYK	0.32, 0.00, 0.11, 0.12
HSL	160°, 53%, 74%
HSV	160°, 32%, 88%
XYZ	50.2179, 64.2537, 64.3990
YIQ	200.0350, -34.6120, -22.5160

Conversions

Conversions Part 2

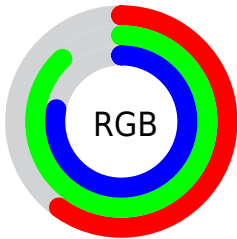
Format	Color
RYB	153, 196, 224
Decimal	10084552
CIELab	84.10, -27.24, 4.70
CIElCh	84, 27.645, 170.210
Yxy	64.2537, 0.2807, 0.3592
Android (android.graphics.Color)	4288274632 (0xFF99E0C8)
YUV	200.0350, -0.0173, -41.2497
Hunter-Lab	80.1584, -28.4499, 8.4775

Details

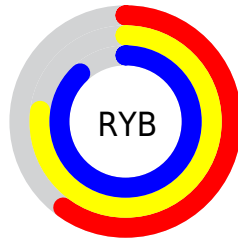
The XYZ color **50.2179, 64.2537, 64.3990** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0698, 41.8059, 47.0281**, and the grayscale version is **54.9381, 57.7992, 62.9433**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **24.3365, 32.7332, 32.2296** is the 20% darker color. If you saturate the color by 10%, you get **45.5174, 61.9320, 59.6738**, and if you desaturate by 10%, it is **55.7595, 67.0074, 69.3951**.

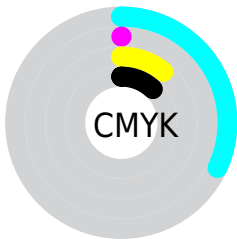
Distribution



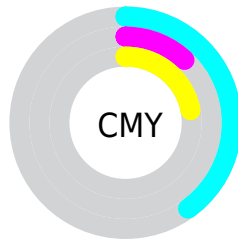
- Red (60%)
- Green (88%)
- Blue (78%)



- Red (60%)
- Yellow (77%)
- Blue (88%)



- Cyan (32%)
- Magenta (0%)
- Yellow (11%)
- Black (12%)





- Cyan (40%)
- Magenta (12%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2179, 64.2537, 64.3990 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 50.2179, 64.2537, 64.3990 by changing the saturation by 10% instead.


 50.2179, 64.2537,
64.3990


 50.2179, 64.2537,
64.3990

377.9554,
440.1052, 458.8760

 35.8051, 46.8562,
46.5257


 89.6875, 110.9762,
112.7904

 24.4531, 32.9220,
32.3092


 115.4751,
141.0700, 144.1454

 15.7966, 22.0667,
21.3310


145.7848,
176.1647, 180.8316

 9.4703, 13.9059,
13.1726

180.9823,
216.6447, 223.2672

 5.1087, 8.0552,
7.4154

221.4327,
262.8943, 271.8709

 2.3466, 4.1303,
3.6408

267.5014,

 0.8184, 1.7467,

315.2980, 327.0613

1.4305

319.5539,
374.2402, 389.2568

■ 0.0000, 0.4536,
0.1653

■ 0.0000, 0.0000,
0.0000

■ 50.2179, 64.2537,
64.3990

■ 50.2179, 64.2537,
64.3990

■ 45.5174, 61.9320,
59.6738

■ 55.7595, 67.0074,
69.3951

■ 41.6075, 60.0111,
55.2099

■ 62.1784, 70.2065,
74.6630

■ 38.4404, 58.4682,
51.0029

■ 69.5153, 73.8736,
80.2091

■ 35.9608, 57.2749,
47.0470

■ 77.8066, 78.0275,
86.0382

■ 34.1052, 56.3985,
43.3355

■ 83.3095, 80.7386,
91.9780

■ 32.7976, 55.8000,
39.8614

■ 84.4451, 81.1928,
97.9577

■ 32.0241, 55.4605,
37.1496

■ 85.6280, 81.6660,
104.1869

■ 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



52.4876, 64.2537, 50.5755



50.2179, 64.2537, 64.3990



50.7038, 64.2537, 82.2307

Triad

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



50.2179, 64.2537, 64.3990



65.2172, 64.2537, 106.4924



68.8964, 64.2537, 47.1768

Complementary

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



50.2179, 64.2537, 64.3990



50.0698, 41.8059, 47.0281

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.



72.7635, 64.2537, 58.9775



50.2179, 64.2537, 64.3990



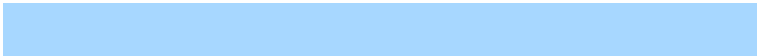
70.5431, 64.2537, 93.7587

Square

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



50.2179, 64.2537, 64.3990



59.0968, 64.2537, 108.5974



73.3854, 64.2537, 75.8351



63.0891, 64.2537, 41.7850

Rectangle

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



50.2179, 64.2537, 64.3990



52.5376, 64.2537, 93.9886



73.3854, 64.2537, 75.8351



70.4822, 64.2537, 50.4234

Sweetspot

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



50.2197, 64.2563, 64.4005



84.9258, 94.9375, 101.3432



50.7332, 65.0612, 40.0224



17.8949, 20.1794, 21.4708



0.0000, 0.0000, 0.0000



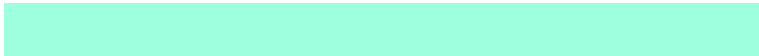
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2197, 64.2563, 64.4005



63.0976, 84.0862, 82.1823



50.4759, 59.9214, 79.4296



13.9093, 15.4895, 16.5579



18.6953, 32.3030, 21.9161



1.3371, 2.2556, 1.7365

Inverse Universe

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



50.0698, 41.8059, 47.0281



62.8722, 49.5032, 55.4495



49.7052, 44.5749, 36.1223



13.8975, 13.7766, 15.2302



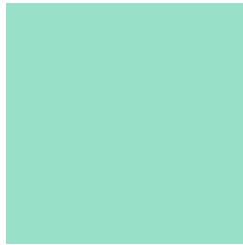
18.6951, 9.5451, 5.0604



1.3366, 0.6779, 0.5656

Previews

White Background



This preview shows how the XYZ color 50.2179, 64.2537, 64.3990 looks on a white background.

Color Contrast Check

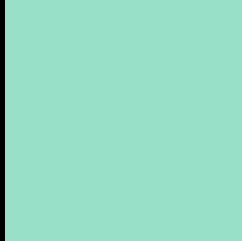
Large Text (above 18pt) WCAG AA × Fail

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 50.2179, 64.2537, 64.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

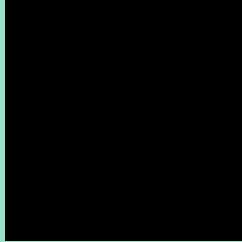
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

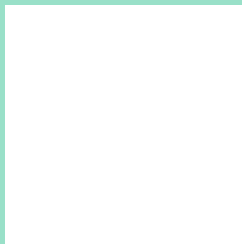
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2179, 64.2537, 64.3990

Background



This preview shows how black text looks on a background with the XYZ color 50.2179, 64.2537, 64.3990.



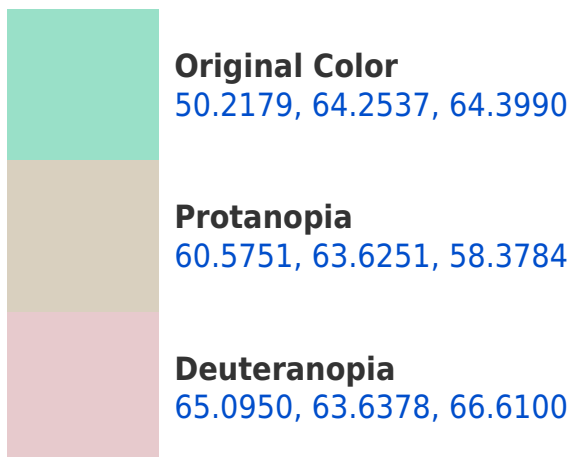
This preview shows how white text looks on a background with the XYZ color 50.2179, 64.2537,

64.3990.

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





Tritanopia

55.1698, 64.2962, 88.8595

Trichromacy



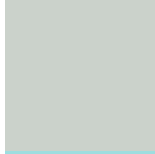
Original Color

50.2179, 64.2537, 64.3990



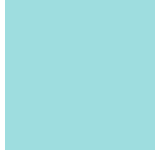
Protanomaly

56.0323, 63.4575, 60.3342



Deuteranomaly

58.4547, 63.1015, 65.5988



Tritanomaly

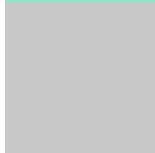
53.2763, 64.3097, 79.4171

Monochromacy



Original Color

50.2179, 64.2537, 64.3990



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.7542, 59.8383, 63.4131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2179, 64.2537, 64.3990 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(153, 224, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 224, 200)  
}
```

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(153, 224, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 224, 200) }
```

Border

The CSS property to change the border of an element to XYZ 50.2179, 64.2537, 64.3990 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(153, 224, 200) }
```


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

```
.border{ border-color:rgb(153, 224, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 224, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 224, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 224, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 224,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2179, 64.2537, 64.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 224, 200) }
```

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

```
.background{ background-color: rgb(153,  
224, 200) }
```

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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