

Converting Colors

XYZ(51.0055, 65.9655, 65.1226)

Have a look what the booklet for
XYZ(51.0055, 65.9655, 65.1226)
contains.

XYZ(50.9606, 65.8306, 65.2790)	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(50.9606, 65.8306,
65.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	98E3C9
RGB	152, 227, 201
RGB Percent	60%, 89%, 79%
CMY	0.4039, 0.1098, 0.2118
CMYK	0.33, 0.00, 0.11, 0.11
HSL	159°, 57%, 74%
HSV	159°, 33%, 89%
XYZ	50.9606, 65.8306, 65.2790
YIQ	201.6110, -36.3540, -23.9860

Conversions

Conversions Part 2

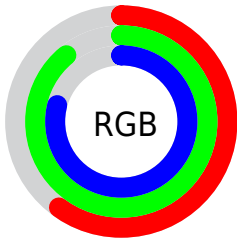
Format	Color
RYB	152, 197, 227
Decimal	10019785
CIELab	84.91, -28.76, 5.34
CIELCh	85, 29.252, 169.482
Yxy	65.8306, 0.2799, 0.3616
Android (android.graphics.Color)	4288209865 (0xFF98E3C9)
YUV	201.6110, -0.3012, -43.5088
Hunter-Lab	81.1361, -29.8744, 9.0928

Details

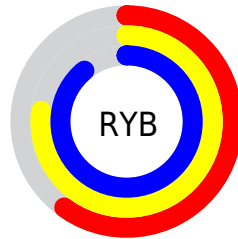
The XYZ color **50.9606, 65.8306, 65.2790** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.9449, 42.0034, 47.5445**, and the grayscale version is **55.9162, 58.8282, 64.0639**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **24.8664, 33.8291, 32.8228** is the 20% darker color. If you saturate the color by 10%, you get **46.2098, 63.4875, 60.3479**, and if you desaturate by 10%, it is **56.5756, 68.6172, 70.5010**.

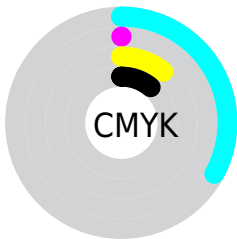
Distribution



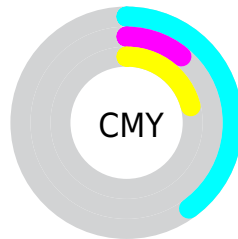
- Red (60%)
- Green (89%)
- Blue (79%)



- Red (60%)
- Yellow (77%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9606, 65.8306, 65.2790 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 50.9606, 65.8306, 65.2790 by changing the saturation by 10% instead.


 50.9606, 65.8306,
65.2790

 50.9606, 65.8306,
65.2790


380.8009,
445.7708, 462.1275

 36.3982, 48.1349,
47.2346


 90.7799, 113.2432,
114.0680

 24.9134, 33.9337,
32.8655

 116.7674,
143.7288, 145.6496

 16.1409, 22.8427,
21.7531


147.2940,
179.2466, 182.5808

 9.7154, 14.4774,
13.4790

182.7251,
220.1808, 225.2799

 5.2715, 8.4534,
7.6246

223.4260,
266.9160, 274.1656

 2.4438, 4.3864,
3.7714

269.7620,

 0.8670, 1.8920,

319.8365, 329.6564

1.5008

322.0985,
379.3266, 392.1709

■ 0.0000, 0.5436,
0.2185

■ 0.0000, 0.0000,
0.0000

■ 50.9606, 65.8306,
65.2790

■ 50.9606, 65.8306,
65.2790

■ 46.2098, 63.4875,
60.3479

■ 56.5756, 68.6172,
70.5010

■ 42.2705, 61.5555,
55.6974

■ 63.0928, 71.8617,
76.0151

■ 39.0925, 60.0107,
51.3227

■ 70.5546, 75.5874,
81.8281

■ 36.6176, 58.8232,
47.2174

■ 78.9989, 79.8140,
87.9453

■ 34.7788, 57.9584,
43.3742

■ 84.4908, 82.5127,
94.1860

■ 33.4951, 57.3747,
39.7855

■ 85.6880, 82.9916,
100.4905

■ 32.8396, 57.0883,
37.4314

■ 86.7603, 83.4205,
106.1368

Harmonies

Analogous

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



53.4554, 65.8306, 50.6615



50.9606, 65.8306, 65.2790



51.4073, 65.8306, 84.4251

Triad

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



50.9606, 65.8306, 65.2790



66.8755, 65.8306, 111.4511



71.1353, 65.8306, 47.5568

Complementary

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



50.9606, 65.8306, 65.2790



50.9449, 42.0034, 47.5445

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.



75.2419, 65.8306, 60.2839



50.9606, 65.8306, 65.2790



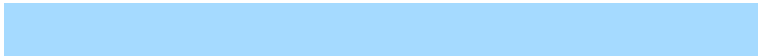
72.6659, 65.8306, 97.8268

Square

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



50.9606, 65.8306, 65.2790



60.2937, 65.8306, 113.4256



75.8209, 65.8306, 78.4828



64.9029, 65.8306, 41.6836

Rectangle

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



50.9606, 65.8306, 65.2790



53.3234, 65.8306, 97.2119



75.8209, 65.8306, 78.4828



72.8282, 65.8306, 51.0599

Sweetspot

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



50.9624, 65.8333, 65.2805



84.8919, 94.9240, 101.1649



51.5562, 66.7025, 39.8644



17.8867, 20.1761, 21.4276



0.0000, 0.0000, 0.0000



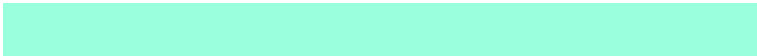
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9624, 65.8333, 65.2805



61.7671, 83.4404, 80.3087



51.3080, 61.2077, 81.7862



14.5841, 16.2471, 17.3404



19.2084, 33.3155, 22.1294



1.4628, 2.4793, 1.8638

Inverse Universe

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



50.9449, 42.0034, 47.5445



61.7475, 47.6890, 53.7326



50.4897, 44.8829, 35.7090



14.5822, 14.4501, 16.0005



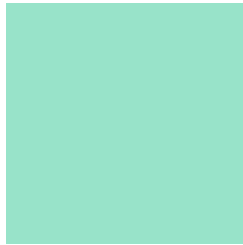
19.3414, 9.8708, 5.4267



1.4718, 0.7464, 0.6252

Previews

White Background



This preview shows how the XYZ color 50.9606, 65.8306, 65.2790 looks on a white background.

Color Contrast Check

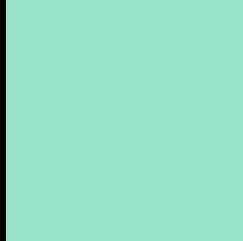
Large Text (above 18pt) WCAG AA × Fail

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 50.9606, 65.8306, 65.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

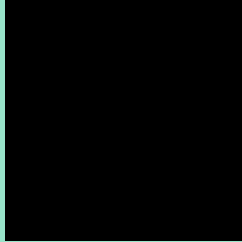
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9606, 65.8306, 65.2790

Background



This preview shows how black text looks on a background with the XYZ color 50.9606, 65.8306, 65.2790.



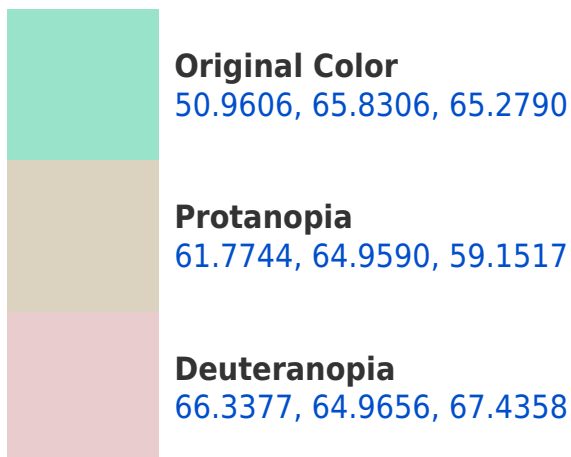
This preview shows how white text looks on a background with the XYZ color 50.9606, 65.8306,

65.2790.

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

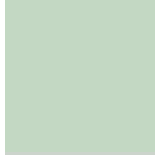
56.1344, 65.5220, 91.3498

Trichromacy



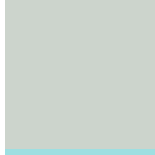
Original Color

50.9606, 65.8306, 65.2790



Protanomaly

56.9119, 64.6540, 61.1096



Deuteranomaly

59.3444, 64.2840, 66.4070



Tritanomaly

54.0788, 65.4807, 81.0229

Monochromacy



Original Color

50.9606, 65.8306, 65.2790



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.7221, 61.0431, 64.8282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9606, 65.8306, 65.2790 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(152, 227, 201)` looks like.

```
.text, #text, p{  
    color:rgb(152, 227, 201)  
}
```

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(152, 227, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 227, 201) }
```

Border

The CSS property to change the border of an element to XYZ 50.9606, 65.8306, 65.2790 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(152, 227, 201) }
```


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

```
.border{ border-color:rgb(152, 227, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 227, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 227, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 227, 201);  
box-shadow:4px 4px 4px 4px rgb(152, 227,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9606, 65.8306, 65.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 227, 201) }
```

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

```
.background{ background-color: rgb(152,  
227, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor