

Converting Colors

XYZ(50.9847, 65.4918, 62.7773)

Have a look what the booklet for
XYZ(50.9847, 65.4918, 62.7773)
contains.

XYZ(50.9847, 65.4918, 62.7773)	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(50.9847, 65.4918,
62.7773)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE2C5
RGB	156, 226, 197
RGB Percent	61%, 89%, 77%
CMY	0.3882, 0.1137, 0.2274
CMYK	0.31, 0.00, 0.13, 0.11
HSL	155°, 55%, 75%
HSV	155°, 31%, 89%
XYZ	50.9847, 65.4918, 62.7773
YIQ	201.7640, -32.4110, -23.8590

Conversions

Conversions Part 2

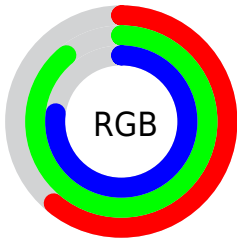
Format	Color
RYB	156, 200, 226
Decimal	10281669
CIELab	84.74, -27.95, 7.22
CIELCh	85, 28.868, 165.509
Yxy	65.4918, 0.2844, 0.3654
Android (android.graphics.Color)	4288471749 (0xFF9CE2C5)
YUV	201.7640, -2.3487, -40.1350
Hunter-Lab	80.9270, -29.1657, 10.6560

Details

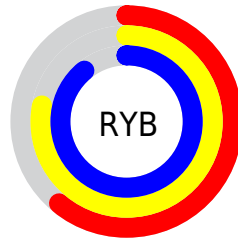
The XYZ color **50.9847, 65.4918, 62.7773** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.0117, 43.4502, 51.5471**, and the grayscale version is **56.0220, 58.9395, 64.1851**.

A 20% lighter version of the original color is **80.8008, 92.6728, 107.3949**, and **24.8121, 33.5574, 31.1561** is the 20% darker color. If you saturate the color by 10%, you get **45.9721, 63.0296, 57.1156**, and if you desaturate by 10%, it is **56.8813, 68.4055, 68.8311**.

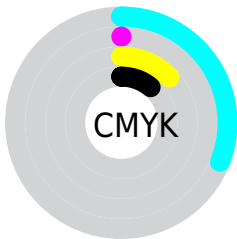
Distribution



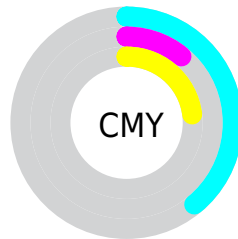
- Red (61%)
- Green (89%)
- Blue (77%)



- Red (61%)
- Yellow (78%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9847, 65.4918, 62.7773 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 50.9847, 65.4918, 62.7773 by changing the saturation by 10% instead.


 50.9847, 65.4918,
62.7773

 50.9847, 65.4918,
62.7773


380.8930,
444.5572, 452.8465

 36.4174, 47.8600,
45.2212


 90.8153, 112.7566,
110.4306

 24.9284, 33.7160,
31.2875


 116.8093,
143.1584, 141.3650

 16.1521, 22.6755,
20.5576

147.3429,
178.5856, 177.5958

 9.7234, 14.3541,
12.6129

182.7816,
219.4227, 219.5417

 5.2768, 8.3674,
7.0350

223.4905,
266.0540, 267.6212

 2.4470, 4.3309,
3.4052


269.8352,

 0.8686, 1.8603,


318.8639, 322.2528


1.3051


322.1809,
378.2368, 383.8550


 0.0000, 0.5244,
0.0659


 0.0000, 0.0000,
0.0000


 50.9847, 65.4918,
62.7773


 50.9847, 65.4918,
62.7773


 45.9721, 63.0296,
57.1156


 56.8813, 68.4055,
68.8311


 41.7916, 60.9871,
51.8332

 63.6992, 71.7846,
75.2807

 38.3942, 59.3408,
46.9226

 71.4804, 75.6523,
82.1353

 35.7231, 58.0617,
42.3747

 80.2624, 80.0278,
89.4025

■ 33.7136, 57.1166,
38.1795

■ 84.7393, 82.1757,
96.8398

■ 32.2885, 56.4657,
34.3264

■ 86.1964, 82.7586,
104.5127

■ 31.3876, 56.0711,
31.1306

■ 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



53.8047, 65.4918, 49.1813



50.9847, 65.4918, 62.7773



51.0347, 65.4918, 81.2460

Triad

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



50.9847, 65.4918, 62.7773



65.6272, 65.4918, 111.3516



71.3602, 65.4918, 48.8331

Complementary

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



50.9847, 65.4918, 62.7773



52.0117, 43.4502, 51.5471

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.



74.9940, 65.4918, 62.2180



50.9847, 65.4918, 62.7773



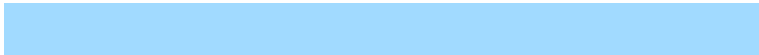
71.5314, 65.4918, 99.2423

Square

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



50.9847, 65.4918, 62.7773



59.1928, 65.4918, 111.5720



75.0588, 65.4918, 80.5816



65.4065, 65.4918, 42.1265

Rectangle

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



50.9847, 65.4918, 62.7773



52.6787, 65.4918, 94.0200



75.0588, 65.4918, 80.5816



72.9112, 65.4918, 52.5864

Sweetspot

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



50.9865, 65.4945, 62.7788



85.6115, 95.3068, 100.6640



53.2471, 67.1308, 41.6047



18.0191, 20.2480, 21.2701



0.0000, 0.0000, 0.0000



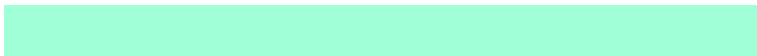
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9865, 65.4945, 62.7788



62.7705, 84.0140, 77.8126



53.0769, 63.8355, 81.4786



13.8638, 15.4713, 16.3181



17.9663, 32.0114, 18.0775



1.2896, 2.2366, 1.4861

Inverse Universe

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



52.0117, 43.4502, 51.5471



64.3188, 50.7856, 60.8972



50.2578, 44.3527, 37.3656



13.9415, 13.7943, 15.4624



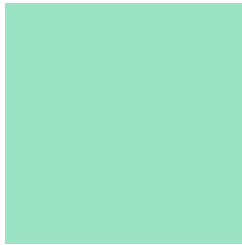
19.0924, 9.7040, 7.1524



1.3672, 0.6901, 0.7264

Previews

White Background



This preview shows how the XYZ color 50.9847, 65.4918, 62.7773 looks on a white background.

Color Contrast Check

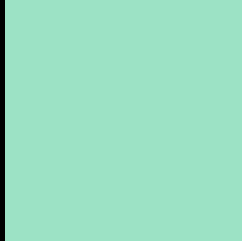
Large Text (above 18pt) WCAG AA × Fail

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 50.9847, 65.4918, 62.7773 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

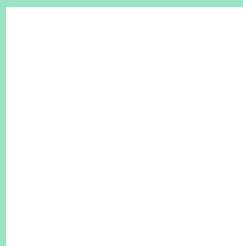
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9847, 65.4918, 62.7773

Background



This preview shows how black text looks on a background with the XYZ color 50.9847, 65.4918, 62.7773.



This preview shows how white text looks on a background with the XYZ color 50.9847, 65.4918,

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

50.9847, 65.4918, 62.7773

Protanopia

61.7471, 64.9830, 57.4327

Deuteranopia

66.1852, 64.9424, 64.9239



Tritanopia

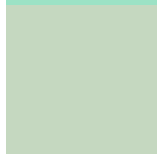
56.5429, 65.3588, 90.5243

Trichromacy



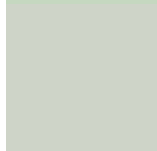
Original Color

50.9847, 65.4918, 62.7773



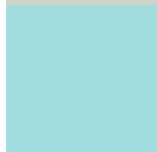
Protanomaly

57.0963, 64.7878, 59.3652



Deuteranomaly

59.4224, 64.3789, 63.9381



Tritanomaly

54.3409, 65.2516, 79.5428

Monochromacy



Original Color

50.9847, 65.4918, 62.7773



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.7272, 61.0729, 63.6001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9847, 65.4918, 62.7773 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(156, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(156, 226, 197)  
}
```

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(156, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 226, 197) }
```

Border

The CSS property to change the border of an element to XYZ 50.9847, 65.4918, 62.7773 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(156, 226, 197) }
```


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

```
.border{ border-color:rgb(156, 226, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 226, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 226, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 226, 197); box-shadow:4px 4px 4px 4px rgb(156, 226, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9847, 65.4918, 62.7773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 226, 197) }
```

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

```
.background{ background-color: rgb(156,  
226, 197) }
```

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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