

Converting Colors

XYZ(50.1845, 64.5051, 59.5965)

Have a look what the booklet for
XYZ(50.1845, 64.5051, 59.5965)
contains.

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Color

**XYZ(50.0747, 64.2852,
59.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE0C0
RGB	157, 224, 192
RGB Percent	62%, 88%, 75%
CMY	0.3843, 0.1216, 0.2471
CMYK	0.30, 0.00, 0.14, 0.12
HSL	151°, 52%, 75%
HSV	151°, 30%, 88%
XYZ	50.0747, 64.2852, 59.6382
YIQ	200.3190, -29.6600, -24.1560

Conversions

Conversions Part 2

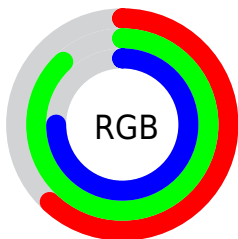
Format	Color
RYB	157, 201, 224
Decimal	10346688
CIELab	84.11, -27.70, 8.97
CIELCh	84, 29.115, 162.051
Yxy	64.2852, 0.2878, 0.3695
Android (android.graphics.Color)	4288536768 (0xFF9DE0C0)
YUV	200.3190, -4.1013, -37.9908
Hunter-Lab	80.1781, -28.8305, 12.0234

Details

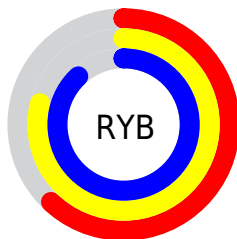
The XYZ color **50.0747, 64.2852, 59.6382** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.9850, 43.6369, 53.8296**, and the grayscale version is **55.1353, 58.0067, 63.1693**.

A 20% lighter version of the original color is **80.1438, 92.4434, 102.4263**, and **24.2564, 32.7529, 29.4696** is the 20% darker color. If you saturate the color by 10%, you get **44.9561, 61.7802, 53.4343**, and if you desaturate by 10%, it is **56.0843, 67.2430, 66.3365**.

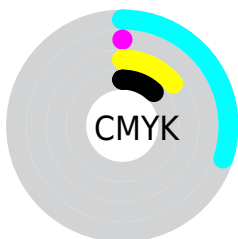
Distribution



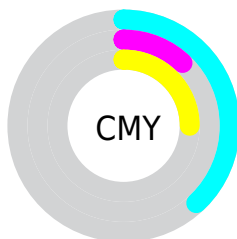
- Red (62%)
- Green (88%)
- Blue (75%)



- Red (62%)
- Yellow (79%)
- Blue (88%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)





- Cyan (38%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0747, 64.2852, 59.6382 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 50.0747, 64.2852, 59.6382 by changing the saturation by 10% instead.


 50.0747, 64.2852,
59.6382


 50.0747, 64.2852,
59.6382


377.4052,
440.2188, 441.0305

 35.6908, 46.8817,
42.7037


 89.4767, 111.0216,
105.8429

 24.3645, 32.9421,
29.3230

 115.2255,
141.1232, 135.9501

 15.7304, 22.0821,
19.0776


145.4933,
176.2264, 171.2854

 9.4232, 13.9173,
11.5490

180.6455,
216.7155, 212.2672

 5.0776, 8.0631,
6.3186

221.0475,
262.9749, 259.3140

 2.3281, 4.1354,
2.9679

267.0645,

 0.8090, 1.7496,

315.3890, 312.8445

1.0782

319.0619,
374.3422, 373.2771

■ 0.0000, 0.4554,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0747, 64.2852,
59.6382

■ 50.0747, 64.2852,
59.6382

■ 44.9561, 61.7802,
53.4343

■ 56.0843, 67.2430,
66.3365

■ 40.6775, 59.6968,
47.7088

■ 63.0218, 70.6672,
73.5360

■ 37.1907, 58.0121,
42.4510

■ 70.9284, 74.5807,
81.2489

■ 34.4403, 56.6977,
37.6481

■ 79.8413, 79.0024,
89.4857

■ 32.3632, 55.7213,
33.2867

■ 84.4544, 81.1967,
98.0066

■ 30.8846, 55.0446,
29.3522

■ 85.9469, 81.7937,
105.8656

■ 29.8765, 54.6019,
25.8272

■ 29.8685, 54.5984,
25.7977

Harmonies

Analogous

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



53.1863, 64.2852, 46.8518



50.0747, 64.2852, 59.6382



49.7868, 64.2852, 77.6542

Triad

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



50.0747, 64.2852, 59.6382



63.7198, 64.2852, 110.6623



70.7522, 64.2852, 48.8513

Complementary

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



50.0747, 64.2852, 59.6382



51.9850, 43.6369, 53.8296

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.



74.0115, 64.2852, 62.8580



50.0747, 64.2852, 59.6382



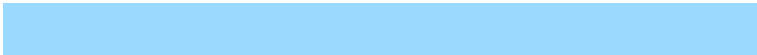
69.7647, 64.2852, 99.7276

Square

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



50.0747, 64.2852, 59.6382



57.3687, 64.2852, 109.3872



73.6380, 64.2852, 81.4878



64.9921, 64.2852, 41.4179

Rectangle

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



50.0747, 64.2852, 59.6382



51.2069, 64.2852, 90.5245



73.6380, 64.2852, 81.4878



72.1943, 64.2852, 52.8317

Sweetspot

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



50.0765, 64.2879, 59.6396



85.3899, 95.2182, 99.4968



53.8251, 66.6164, 41.9205



17.9644, 20.2261, 20.9825



0.0000, 0.0000, 0.0000



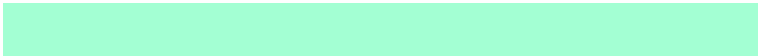
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0765, 64.2879, 59.6396



62.6823, 84.0385, 74.6460



53.7178, 65.2657, 80.2905



13.8263, 15.4563, 16.1207



17.4434, 31.8022, 15.3237



1.2543, 2.2224, 1.3001

Inverse Universe

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



51.9850, 43.6369, 53.8296



65.6410, 52.0328, 65.6452



49.0749, 42.7766, 37.5693



13.9785, 13.8090, 15.6570



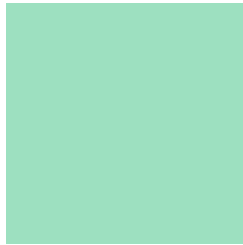
19.4950, 9.8650, 9.2723



1.3963, 0.7018, 0.8799

Previews

White Background



This preview shows how the XYZ color 50.0747, 64.2852, 59.6382 looks on a white background.

Color Contrast Check

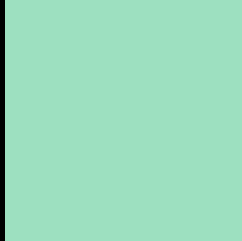
Large Text (above 18pt) WCAG AA × Fail

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 50.0747, 64.2852, 59.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

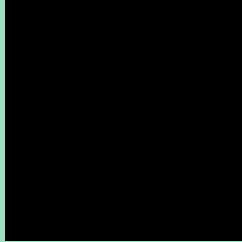
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0747, 64.2852, 59.6382

Background



This preview shows how black text looks on a background with the XYZ color 50.0747, 64.2852, 59.6382.



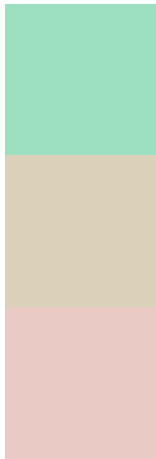
This preview shows how white text looks on a background with the XYZ color 50.0747, 64.2852, 59.6382.

59.6382.

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

50.0747, 64.2852, 59.6382

Protanopia

60.4210, 63.6325, 54.4452

Deuteranopia

65.1303, 63.7647, 61.6984



Tritanopia

55.7927, 64.2480, 88.0578

Trichromacy



Original Color

50.0747, 64.2852, 59.6382



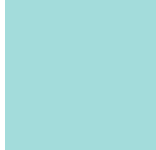
Protanomaly

55.7812, 63.4168, 56.3144



Deuteranomaly

58.3505, 63.1551, 60.7445



Tritanomaly

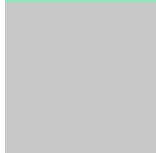
53.4836, 64.0874, 76.5691

Monochromacy



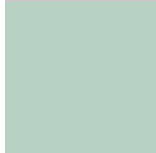
Original Color

50.0747, 64.2852, 59.6382



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.6457, 59.8225, 61.5955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0747, 64.2852, 59.6382 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(157, 224, 192)` looks like.

```
.text, #text, p{  
    color:rgb(157, 224, 192)  
}
```

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(157, 224, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 224, 192) }
```

Border

The CSS property to change the border of an element to XYZ 50.0747, 64.2852, 59.6382 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(157, 224, 192) }
```


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

```
.border{ border-color:rgb(157, 224, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 224, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 224, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 224, 192); box-shadow:4px 4px 4px 4px rgb(157, 224, 192) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0747, 64.2852, 59.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 224, 192) }
```

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

```
.background{ background-color: rgb(157,  
224, 192) }
```

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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