

Converting Colors

XYZ(43.9708, 63.6020, 49.3192)

Have a look what the booklet for
XYZ(43.9708, 63.6020, 49.3192)
contains.

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Color

**XYZ(44.1518, 63.8958,
49.5413)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE6AD
RGB	124, 230, 173
RGB Percent	49%, 90%, 68%
CMY	0.5137, 0.0980, 0.3216
CMYK	0.46, 0.00, 0.25, 0.10
HSL	148°, 68%, 69%
HSV	148°, 46%, 90%
XYZ	44.1518, 63.8958, 49.5413
YIQ	191.8080, -44.8790, -40.1990

Conversions

Conversions Part 2

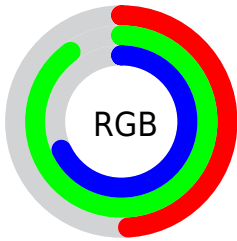
Format	Color
RYB	124, 196, 230
Decimal	8185517
CIELab	83.91, -43.42, 18.43
CIELCh	84, 47.170, 156.996
Yxy	63.8958, 0.2802, 0.4055
Android (android.graphics.Color)	4286375597 (0xFF7CE6AD)
YUV	191.8080, -9.2723, -59.4676
Hunter-Lab	79.9348, -41.2920, 19.2082

Details

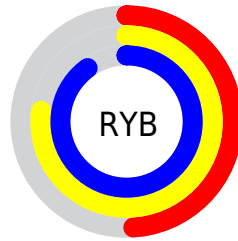
The XYZ color **44.1518, 63.8958, 49.5413** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **48.1833, 34.5759, 47.8526**, and the grayscale version is **50.0634, 52.6706, 57.3583**.

A 20% lighter version of the original color is **68.9589, 87.0009, 87.2871**, and **20.7730, 32.7864, 23.0029** is the 20% darker color. If you saturate the color by 10%, you get **40.0658, 61.9231, 43.3898**, and if you desaturate by 10%, it is **49.1272, 66.3177, 56.3156**.

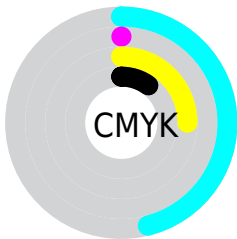
Distribution



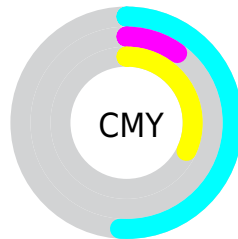
- Red (49%)
- Green (90%)
- Blue (68%)



- Red (49%)
- Yellow (77%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (25%)
- Black (10%)



- Cyan (51%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1518, 63.8958, 49.5413 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 44.1518, 63.8958, 49.5413 by changing the saturation by 10% instead.

44.1518, 63.8958,
49.5413

44.1518, 63.8958,
49.5413

354.1691,
438.8133, 401.5530

30.9883, 46.5663,
34.6804

80.6910, 110.4609,
90.8842

20.7417, 32.6929,
23.1352

104.7975,
140.4652, 118.2033

13.0467, 21.8913,
14.4872

133.2823,
175.4632, 150.5122

7.5379, 13.7771,
8.3177

166.5108,
215.8394, 188.2294

3.8500, 7.9658,
4.2082

204.8484,
261.9781, 231.7736

1.6177, 4.0731,
1.7402

248.6604,

0.4039, 1.7145,

314.2637, 281.5632

0.3881

298.3122,
373.0806, 338.0169

■ 0.0000, 0.4330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.1518, 63.8958,
49.5413

■ 44.1518, 63.8958,
49.5413

■ 40.0658, 61.9231,
43.3898

■ 49.1272, 66.3177,
56.3156

■ 36.8063, 60.3622,
37.8384


■ 55.0391, 69.2075,
63.7258


■ 34.3102, 59.1828,
32.8693


■ 61.9374, 72.5923,
71.7901


■ 32.5020, 58.3464,
28.4618


■ 69.8667, 76.4949,
80.5245

 31.2887, 57.8053,
24.5937

 78.8689, 80.9366,
89.9446

 30.9162, 57.6432,
23.2201

 86.3593, 84.5845,
99.9424

 87.5880, 85.0759,
106.4127

Harmonies

Analogous

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



49.4966, 63.8958, 33.1803



44.1518, 63.8958, 49.5413



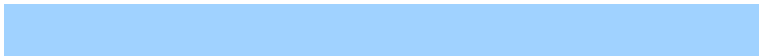
42.9990, 63.8958, 76.7672

Triad

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



44.1518, 63.8958, 49.5413



63.1941, 63.8958, 143.1134



78.1045, 63.8958, 40.5357

Complementary

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



44.1518, 63.8958, 49.5413



48.1833, 34.5759, 47.8526

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.



82.7699, 63.8958, 62.8404



44.1518, 63.8958, 49.5413



73.5485, 63.8958, 125.9291

Square

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



44.1518, 63.8958, 49.5413



53.2613, 63.8958, 136.5531



81.0143, 63.8958, 94.3824



68.8685, 63.8958, 29.1101

Rectangle

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



44.1518, 63.8958, 49.5413



44.6284, 63.8958, 98.8727



81.0143, 63.8958, 94.3824



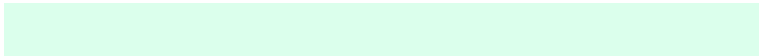
80.3046, 63.8958, 46.7199

Sweetspot

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



44.1535, 63.8984, 49.5428



80.1754, 92.6713, 92.8682



51.2993, 68.0333, 29.4975



16.7205, 19.6190, 19.3812



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.



44.1535, 63.8984, 49.5428



50.9930, 78.4262, 55.4069



50.1607, 66.3013, 81.1764



14.4651, 16.1995, 16.7140



17.5626, 32.6572, 13.4631



1.3443, 2.4318, 1.2397

Inverse Universe

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



48.1833, 34.5759, 47.8526



56.6550, 37.1896, 53.0042



43.8250, 32.8326, 24.9019



14.6994, 14.4970, 16.6175



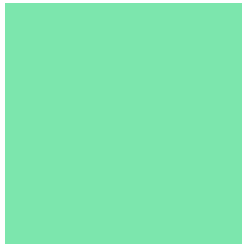
20.5858, 10.3685, 11.9796



1.5680, 0.7849, 1.1317

Previews

White Background



This preview shows how the XYZ color 44.1518, 63.8958, 49.5413 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 44.1518, 63.8958, 49.5413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

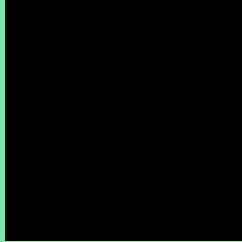
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.1518, 63.8958, 49.5413

Background



This preview shows how black text looks on a background with the XYZ color 44.1518, 63.8958, 49.5413.



This preview shows how white text looks on a background with the XYZ color 44.1518, 63.8958,

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

44.1518, 63.8958, 49.5413

Protanopia

59.2017, 63.2500, 43.2706

Deuteranopia

64.0509, 62.7404, 51.3821



Tritanopia

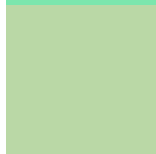
52.4209, 63.6076, 91.1760

Trichromacy



Original Color

44.1518, 63.8958, 49.5413



Protanomaly

51.6885, 62.3040, 45.3780



Deuteranomaly

54.2560, 61.6332, 50.6318



Tritanomaly

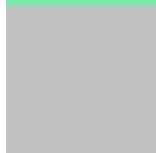
48.9131, 63.3685, 73.9433

Monochromacy



Original Color

44.1518, 63.8958, 49.5413



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7646, 55.8609, 54.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1518, 63.8958, 49.5413 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(124, 230, 173)` looks like.

```
.text, #text, p{  
    color:rgb(124, 230, 173)  
}
```

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(124, 230, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 230, 173) }
```

Border

The CSS property to change the border of an element to XYZ 44.1518, 63.8958, 49.5413 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(124, 230, 173) }
```


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

```
.border{ border-color:rgb(124, 230, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 230, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 230, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 230, 173);  
box-shadow:4px 4px 4px 4px rgb(124, 230,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1518, 63.8958, 49.5413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 230, 173) }
```

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

```
.background{ background-color: rgb(124,  
230, 173) }
```

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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