

Converting Colors

XYZ(47.6129, 63.9334, 59.4937)

Have a look what the booklet for
XYZ(47.6129, 63.9334, 59.4937)
contains.

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Color

**XYZ(47.5260, 63.7739,
59.6739)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE2C0
RGB	140, 226, 192
RGB Percent	55%, 89%, 75%
CMY	0.4510, 0.1137, 0.2471
CMYK	0.38, 0.00, 0.15, 0.11
HSL	156°, 60%, 72%
HSV	156°, 38%, 89%
XYZ	47.5260, 63.7739, 59.6739
YIQ	196.4100, -40.3420, -28.8060

Conversions

Conversions Part 2

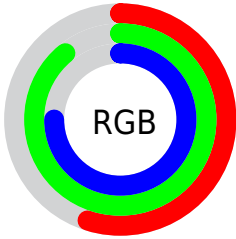
Format	Color
RYB	140, 194, 226
Decimal	9233088
CIELab	83.85, -33.52, 8.48
CIELCh	84, 34.578, 165.803
Yxy	63.7739, 0.2780, 0.3730
Android (android.graphics.Color)	4287423168 (0xFF8CE2C0)
YUV	196.4100, -2.1741, -49.4716
Hunter-Lab	79.8586, -33.5223, 11.5968

Details

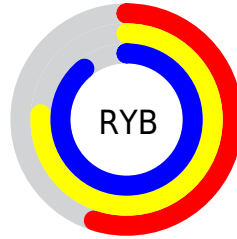
The XYZ color **47.5260, 63.7739, 59.6739** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.3842, 37.9825, 44.8281**, and the grayscale version is **52.7470, 55.4939, 60.4329**.

A 20% lighter version of the original color is **75.4682, 90.0331, 102.2075**, and **22.7812, 32.5448, 29.5072** is the 20% darker color. If you saturate the color by 10%, you get **43.1419, 61.6265, 54.4572**, and if you desaturate by 10%, it is **52.7558, 66.3538, 65.2467**.

Distribution



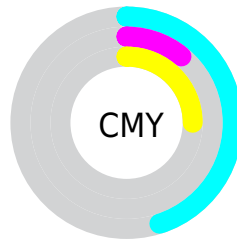
- Red (55%)
- Green (89%)
- Blue (75%)



- Red (55%)
- Yellow (76%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (45%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5260, 63.7739, 59.6739 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 47.5260, 63.7739, 59.6739 by changing the saturation by 10% instead.


 47.5260, 63.7739,
59.6739


 47.5260, 63.7739,
59.6739


367.5242,
438.3727, 441.1660

 33.6614, 46.4676,
42.7323


 85.7122, 110.2853,
105.8952

 22.7952, 32.6149,
29.3453


 110.7645,
140.2591, 136.0120

 14.5622, 21.8316,
19.0943


140.2767,
175.2242, 171.3575

 8.5970, 13.7332,
11.5610

174.6142,
215.5649, 212.3504

 4.5343, 7.9354,
6.3266

214.1424,
261.6658, 259.4091

 2.0086, 4.0536,
2.9727

259.2265,

 0.6388, 1.7036,

313.9111, 312.9523

1.0807

310.2320,
372.6853, 373.3984

■ 0.0000, 0.4260,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5260, 63.7739,
59.6739

■ 47.5260, 63.7739,
59.6739

■ 43.1419, 61.6265,
54.4572

■ 52.7558, 66.3538,
65.2467

■ 39.5490, 59.8784,
49.5845

■ 58.8712, 69.3814,
71.1788

■ 36.6943, 58.5042,
45.0490

■ 65.9157, 72.8808,
77.4789

■ 34.5161, 57.4721,
40.8420

■ 73.9285, 76.8721,
84.1538

■ 32.9414, 56.7448,
36.9540

■ 82.9464, 81.3742,
91.2104

■ 31.8682, 56.2696,
33.3741

■ 85.0130, 82.2852,
98.2811

■ 31.6877, 56.1911,
32.7110

■ 86.4152, 82.8460,
105.6649

■ 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.



50.7324, 63.7739, 44.1634



47.5260, 63.7739, 59.6739



47.6161, 63.7739, 81.4681

Triad

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



47.5260, 63.7739, 59.6739



64.6815, 63.7739, 117.9817



71.3814, 63.7739, 43.5532

Complementary

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



47.5260, 63.7739, 59.6739



48.3842, 37.9825, 44.8281

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.



75.7877, 63.7739, 58.6563



47.5260, 63.7739, 59.6739



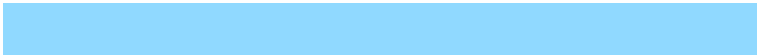
71.7046, 63.7739, 102.8833

Square

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



47.5260, 63.7739, 59.6739



57.1020, 63.7739, 118.4142



75.9108, 63.7739, 80.2151



64.2695, 63.7739, 36.2611

Rectangle

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



47.5260, 63.7739, 59.6739



49.5213, 63.7739, 96.9049



75.9108, 63.7739, 80.2151



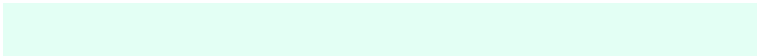
73.2533, 63.7739, 47.7251

Sweetspot

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



47.5278, 63.7765, 59.6754



83.7382, 94.3689, 99.3178



49.4768, 65.3335, 34.8149



17.6481, 20.0620, 21.0143



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.



47.5278, 63.7765, 59.6754



57.6537, 81.4825, 72.7664



49.4608, 60.9011, 81.1027



13.8751, 15.4758, 16.3774



18.1371, 32.0797, 18.9769



1.3009, 2.2411, 1.5456

Inverse Universe

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



48.3842, 37.9825, 44.8281



58.9453, 42.8149, 50.5469



46.7838, 39.4323, 29.9574



13.9306, 13.7899, 15.4045



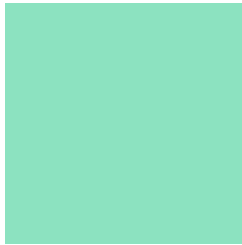
18.9850, 9.6610, 6.5868



1.3591, 0.6869, 0.6840

Previews

White Background



This preview shows how the XYZ color 47.5260, 63.7739, 59.6739 looks on a white background.

Color Contrast Check

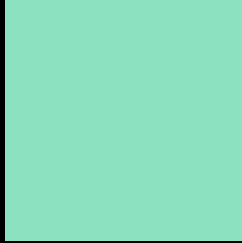
Large Text (above 18pt) WCAG AA × Fail

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 47.5260, 63.7739, 59.6739 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

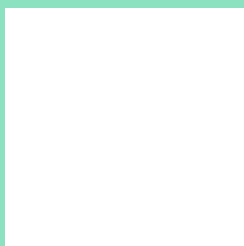
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5260, 63.7739, 59.6739

Background



This preview shows how black text looks on a background with the XYZ color 47.5260, 63.7739, 59.6739.



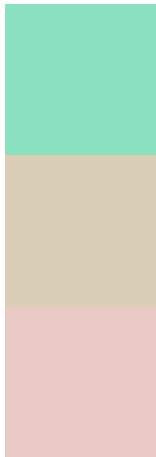
This preview shows how white text looks on a background with the XYZ color 47.5260, 63.7739, 59.6739.

59.6739.

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

47.5260, 63.7739, 59.6739

Protanopia

59.6698, 62.9085, 53.2536

Deuteranopia

64.2434, 62.9603, 61.5899



Tritanopia

53.6418, 63.8801, 89.6236

Trichromacy



Original Color

47.5260, 63.7739, 59.6739



Protanomaly

54.1447, 62.5855, 55.6808



Deuteranomaly

56.4501, 62.1754, 60.6556



Tritanomaly

51.2050, 63.6661, 77.9966

Monochromacy



Original Color

47.5260, 63.7739, 59.6739



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.0676, 57.7959, 60.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5260, 63.7739, 59.6739 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(140, 226, 192)` looks like.

```
.text, #text, p{  
    color:rgb(140, 226, 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(140, 226, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 226, 192) }
```

Border

The CSS property to change the border of an element to XYZ 47.5260, 63.7739, 59.6739 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(140, 226, 192) }
```


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

```
.border{ border-color:rgb(140, 226, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 226, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 226, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 226, 192);  
box-shadow:4px 4px 4px 4px rgb(140, 226,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5260, 63.7739, 59.6739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 226, 192) }
```

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

```
.background{ background-color: rgb(140,  
226, 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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