

Converting Colors

XYZ(45.1636, 64.4402, 52.4429)

Have a look what the booklet for
XYZ(45.1636, 64.4402, 52.4429)
contains.

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Color

**XYZ(45.1859, 64.3603,
52.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE6B3
RGB	127, 230, 179
RGB Percent	50%, 90%, 70%
CMY	0.5020, 0.0980, 0.2980
CMYK	0.45, 0.00, 0.22, 0.10
HSL	150°, 67%, 70%
HSV	150°, 45%, 90%
XYZ	45.1859, 64.3603, 52.6891
YIQ	193.3890, -45.0170, -37.6970

Conversions

Conversions Part 2

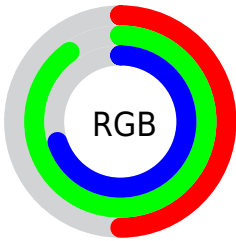
Format	Color
RYB	127, 195, 230
Decimal	8382131
CIELab	84.15, -41.46, 15.66
CIELCh	84, 44.319, 159.309
Yxy	64.3603, 0.2785, 0.3967
Android (android.graphics.Color)	4286572211 (0xFF7FE6B3)
YUV	193.3890, -7.0938, -58.2232
Hunter-Lab	80.2249, -39.8551, 17.2177

Details

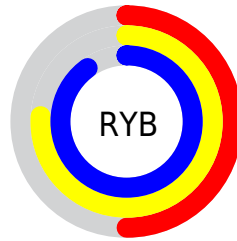
The XYZ color **45.1859, 64.3603, 52.6891** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2605, 35.2176, 46.3760**, and the grayscale version is **50.9784, 53.6332, 58.4066**.

A 20% lighter version of the original color is **70.5226, 87.7085, 91.8098**, and **21.4277, 33.0806, 24.9945** is the 20% darker color. If you saturate the color by 10%, you get **41.0390, 62.3519, 46.7293**, and if you desaturate by 10%, it is **50.2132, 66.8151, 59.1896**.

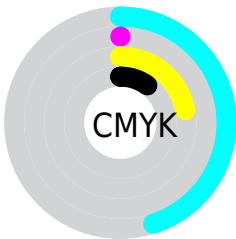
Distribution



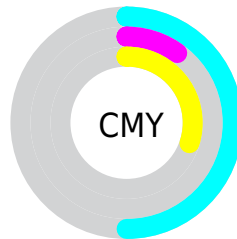
- Red (50%)
- Green (90%)
- Blue (70%)



- Red (50%)
- Yellow (76%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1859, 64.3603, 52.6891 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 45.1859, 64.3603, 52.6891 by changing the saturation by 10% instead.


 45.1859, 64.3603,
52.6891


 45.1859, 64.3603,
52.6891


358.2970,
440.4896, 414.1236


 31.8058, 46.9426,
37.1686


 82.2347, 111.1297,
95.5836

 21.3680, 32.9902,
25.0413


 106.6340,
141.2501, 123.7948

 13.5073, 22.1190,
15.8885


 135.4371,
176.3735, 157.0732

 7.8582, 13.9443,
9.2918

169.0094,
216.8843, 195.8374

 4.0554, 8.0820,
4.8326

207.7162,
263.1670, 240.5061

 1.7335, 4.1474,
2.0924

251.9228,

 0.4771, 1.7564,

315.6058, 291.4976

0.6112

301.9946,
374.5852, 349.2306

■ 0.0000, 0.4598,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.1859, 64.3603,
52.6891

■ 45.1859, 64.3603,
52.6891

■ 41.0390, 62.3519,
46.7293

■ 50.2132, 66.8151,
59.1896

■ 37.7112, 60.7533,
41.2912


■ 56.1669, 69.7344,
66.2403


■ 35.1411, 59.5348,
36.3609


■ 63.0956, 73.1449,
73.8559

■ 33.2557, 58.6591,
31.9220


■ 71.0429, 77.0688,
82.0494

 31.9660, 58.0807,
27.9571

 80.0500, 81.5270,
90.8332

 31.4571, 57.8596,
26.0684

 86.3782, 84.5921,
100.0423

 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.



49.9966, 64.3603, 36.0701



45.1859, 64.3603, 52.6891



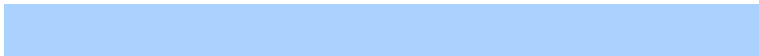
44.4002, 64.3603, 79.1726

Triad

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



45.1859, 64.3603, 52.6891



64.2709, 64.3603, 137.9493



76.9388, 64.3603, 41.1519

Complementary

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



45.1859, 64.3603, 52.6891



48.2605, 35.2176, 46.3760

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.



81.7121, 64.3603, 61.7069



45.1859, 64.3603, 52.6891



73.9010, 64.3603, 120.6665

Square

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



45.1859, 64.3603, 52.6891



54.7541, 64.3603, 133.6443



80.5446, 64.3603, 90.9236



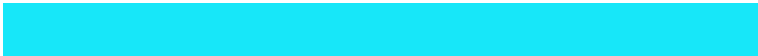
68.0739, 64.3603, 30.7499

Rectangle

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



45.1859, 64.3603, 52.6891



46.1706, 64.3603, 99.9479



80.5446, 64.3603, 90.9236



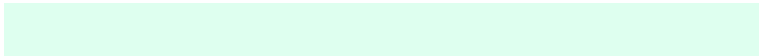
79.1159, 64.3603, 46.8439

Sweetspot

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



45.1876, 64.3629, 52.6906



81.3571, 93.2334, 95.0485



50.6047, 67.6529, 30.4707



16.9639, 19.7340, 19.8678



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.



45.1876, 64.3629, 52.6906



52.0865, 78.9027, 59.3954



51.3343, 66.8216, 85.0582



14.4914, 16.2100, 16.8523



17.8704, 32.7803, 15.0837



1.3675, 2.4411, 1.3616

Inverse Universe

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



48.2605, 35.2176, 46.3760



56.4444, 37.5758, 50.4448



44.0551, 33.5355, 24.2306



14.6730, 14.4864, 16.4787



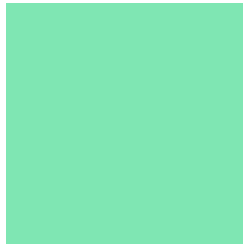
20.2525, 10.2352, 10.2247



1.5435, 0.7751, 1.0023

Previews

White Background



This preview shows how the XYZ color 45.1859, 64.3603, 52.6891 looks on a white background.

Color Contrast Check

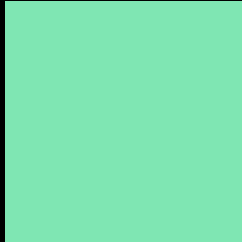
Large Text (above 18pt) WCAG AA × Fail

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 45.1859, 64.3603, 52.6891 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 45.1859, 64.3603, 52.6891

Background



This preview shows how black text looks on a background with the XYZ color 45.1859, 64.3603, 52.6891.



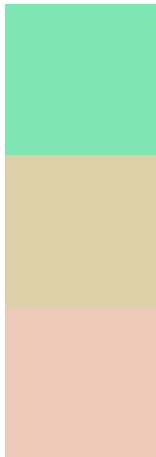
This preview shows how white text looks on a background with the XYZ color 45.1859, 64.3603, 52.6891.

52.6891.

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

45.1859, 64.3603, 52.6891

Protanopia

59.4426, 63.3111, 46.1331

Deuteranopia

64.5687, 63.2806, 54.7102



Tritanopia

53.0048, 64.2846, 92.0526

Trichromacy



Original Color

45.1859, 64.3603, 52.6891



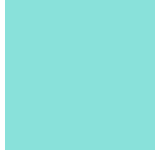
Protanomaly

52.4958, 62.6551, 48.3565



Deuteranomaly

55.1167, 62.3762, 53.9346



Tritanomaly

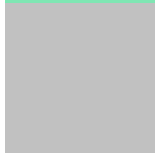
49.8966, 64.2307, 76.0976

Monochromacy



Original Color

45.1859, 64.3603, 52.6891



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.5106, 56.2085, 55.9222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1859, 64.3603, 52.6891 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(127, 230, 179)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 179)  
}
```

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(127, 230, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.1859, 64.3603, 52.6891 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(127, 230, 179) }
```


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

```
.border{ border-color:rgb(127, 230, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 179);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1859, 64.3603, 52.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 179) }
```

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

```
.background{ background-color: rgb(127,  
230, 179) }
```

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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