

Converting Colors

XYZ(4.2656, 5.8380, 4.4966)

Have a look what the booklet for
XYZ(4.2656, 5.8380, 4.4966)
contains.

XYZ(4.2879, 5.8659, 4.5207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(4.2879, 5.8659, 4.5207)

Conversions

Conversions Part 1

Format	Color
Hex	2D4B37
RGB	45, 75, 55
RGB Percent	18%, 29%, 22%
CMY	0.8235, 0.7059, 0.7843
CMYK	0.40, 0.00, 0.27, 0.71
HSL	140°, 25%, 24%
HSV	140°, 40%, 29%
XYZ	4.2879, 5.8659, 4.5207
YIQ	63.7500, -11.4600, -12.5800

Conversions

Conversions Part 2

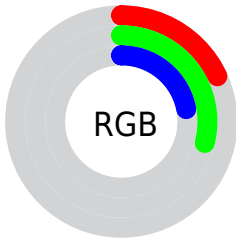
Format	Color
RYB	45, 68, 75
Decimal	2968375
CIELab	29.07, -16.28, 8.46
CIElCh	29, 18.345, 152.553
Yxy	5.8659, 0.2922, 0.3997
Android (android.graphics.Color)	4281158455 (0xFF2D4B37)
YUV	63.7500, -4.3137, -16.4438
Hunter-Lab	24.2196, -10.7823, 5.8870

Details

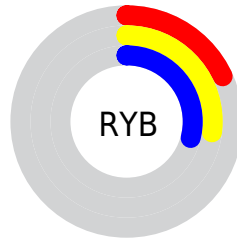
The XYZ color **4.2879, 5.8659, 4.5207** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4.7944, 3.7545, 5.4733**, and the grayscale version is **4.8435, 5.0957, 5.5492**.

A 20% lighter version of the original color is **14.0196, 17.6499, 15.2382**, and **0.5563, 1.0065, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **3.8730, 5.6653, 3.9071**, and if you desaturate by 10%, it is **4.7740, 6.1021, 5.2013**.

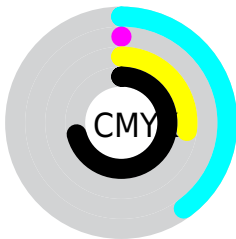
Distribution



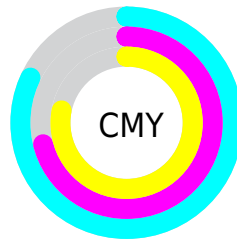
- Red (18%)
- Green (29%)
- Blue (22%)



- Red (18%)
- Yellow (27%)
- Blue (29%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)
- Black (71%)



- Cyan (82%)
- Magenta (71%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 4.2879, 5.8659, 4.5207 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 4.2879, 5.8659, 4.5207 by changing the saturation by 10% instead.

■ 4.2879, 5.8659,
4.5207

■ 4.2879, 5.8659,
4.5207

137.8178,
157.8767, 153.8482

■ 1.8663, 2.7637,
1.9151

■ 14.0227, 17.6523,
15.1939

■ 0.5571, 1.0097,
0.5023

■ 22.0666, 27.1052,
24.0986

■ 0.0000, 0.0000,
0.0000

■ 32.7152, 39.4439,
35.9401

■ 46.3340, 55.0527,
51.1369

■ 63.2883, 74.3159,
70.1075

■ 83.9435, 97.6181,

93.2706

108.6648,
125.3436, 121.0446

■ 4.2879, 5.8659,
4.5207

■ 4.2879, 5.8659,
4.5207

■ 3.8730, 5.6653,
3.9071

■ 4.7740, 6.1021,
5.2013

■ 3.5253, 5.4979,
3.3581

■ 5.3340, 6.3748,
5.9506

■ 3.2412, 5.3619,
2.8716

■ 5.9710, 6.6857,
6.7704

■ 3.0166, 5.2553,
2.4455

■ 6.6881, 7.0363,
7.6626

■ 2.8444, 5.1745,
2.0771

■ 7.4878, 7.4280,
8.6290

■ 2.6917, 5.1026,
1.7627

■ 8.3727, 7.8621,
9.6711

■ 2.6916, 5.1026,
1.7627

■ 9.3453, 8.3397,
10.7906

■ 10.4079, 8.8621,
11.9892

■ 11.5629, 9.4304,
13.2682

Harmonies

Analogous

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



4.7680, 5.8659, 3.2826



4.2879, 5.8659, 4.5207



4.1417, 5.8659, 6.5906

Triad

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



4.2879, 5.8659, 4.5207



5.6460, 5.8659, 12.0553



7.0154, 5.8659, 4.2491

Complementary

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



4.2879, 5.8659, 4.5207



4.7944, 3.7545, 5.4733

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.



7.3067, 5.8659, 6.1876



4.2879, 5.8659, 4.5207



6.4691, 5.8659, 11.0086

Square

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



4.2879, 5.8659, 4.5207



4.8786, 5.8659, 11.3008



7.0977, 5.8659, 8.7070



6.3355, 5.8659, 3.1550

Rectangle

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



4.2879, 5.8659, 4.5207



4.2402, 5.8659, 8.2837



7.0977, 5.8659, 8.7070



7.1649, 5.8659, 4.8044

Sweetspot

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



4.2881, 5.8661, 4.5208



9.8459, 11.1987, 11.1264



5.2032, 6.3629, 3.4367



2.4700, 2.8175, 2.7894



41.2402, 43.3880, 47.2495



2.8585, 3.0074, 3.2751

Same Dimension

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



4.2881, 5.8661, 4.5208



6.5802, 9.6110, 6.6457



4.6883, 6.0262, 6.6283



1.6888, 1.8752, 1.9181



5.0401, 9.6182, 3.1041



29.4797, 56.8445, 16.3465

Inverse Universe

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



4.7944, 3.7545, 5.4733



7.5765, 5.4505, 8.5156



4.4268, 3.6075, 3.5376



1.7264, 1.7188, 1.9890



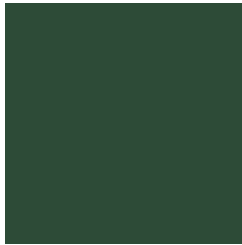
6.5229, 3.2422, 5.7511



38.2230, 19.0404, 31.7994

Previews

White Background



This preview shows how the XYZ color 4.2879, 5.8659, 4.5207 looks on a white background.

Color Contrast Check

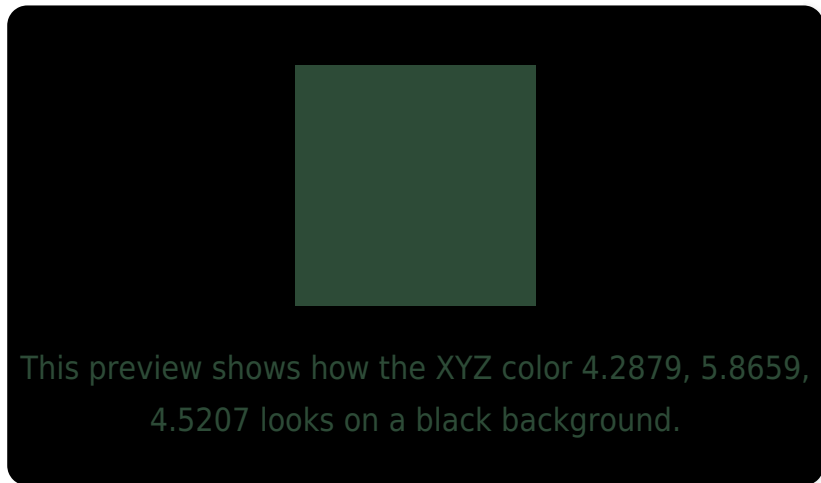
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

XYZ 4.2879, 5.8659, 4.5207

Background



This preview shows how black text looks on a background with the XYZ color 4.2879, 5.8659, 4.5207.



This preview shows how white text looks on a background with the XYZ color 4.2879, 5.8659, 4.5207.

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

4.2879, 5.8659, 4.5207

Protanopia

5.4346, 5.7986, 4.0816

Deuteranopia

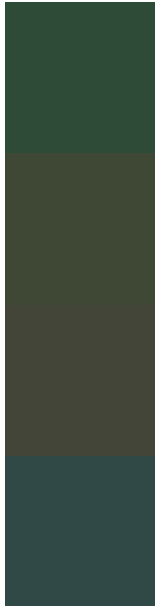
5.9112, 5.8541, 4.6893



Tritanopia

5.0079, 5.8629, 8.0754

Trichromacy



Original Color

4.2879, 5.8659, 4.5207

Protanomaly

4.9457, 5.8203, 4.2309

Deuteranomaly

5.1567, 5.7351, 4.5766

Tritanomaly

4.7070, 5.8357, 6.6727

Monochromacy



Original Color

4.2879, 5.8659, 4.5207

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

4.5968, 5.3410, 5.2035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.2879, 5.8659, 4.5207 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(45, 75, 55)` looks like.

```
.text, #text, p{  
    color:rgb(45, 75, 55)  
}
```

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(45, 75, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 75, 55) }
```

Border

The CSS property to change the border of an element to XYZ 4.2879, 5.8659, 4.5207 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(45, 75, 55) }
```

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

```
.border{ border-color:rgb(45, 75, 55) }
```

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

Here you see how a box with a 4 pixel rgb(45, 75, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 75, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 75, 55);  
box-shadow:4px 4px 4px 4px rgb(45, 75, 55)  
}
```


Background

The CSS property to change the background color of an element to XYZ 4.2879, 5.8659, 4.5207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 75, 55) }
```

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

```
.background{ background-color: rgb(45, 75,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor