

Converting Colors

XYZ(25.7446, 33.9640, 8.5881)

Have a look what the booklet for
XYZ(25.7446, 33.9640, 8.5881)
contains.

XYZ(25.8006, 34.0131, 8.5735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8006, 34.0131,
8.5735)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA835
RGB	142, 168, 53
RGB Percent	56%, 66%, 21%
CMY	0.4431, 0.3412, 0.7921
CMYK	0.15, 0.00, 0.68, 0.34
HSL	74°, 52%, 43%
HSV	74°, 68%, 66%
XYZ	25.8006, 34.0131, 8.5735
YIQ	147.1160, 21.4190, -41.2770

Conversions

Conversions Part 2

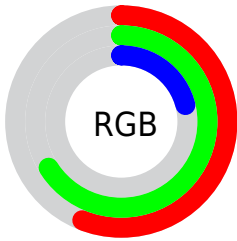
Format	Color
RYB	53, 168, 79
Decimal	9349173
CIELab	64.97, -25.28, 53.89
CIELCh	65, 59.520, 115.132
Yxy	34.0131, 0.3773, 0.4974
Android (android.graphics.Color)	4287539253 (0xFF8EA835)
YUV	147.1160, -46.3992, -4.4867
Hunter-Lab	58.3208, -23.0944, 32.1085

Details

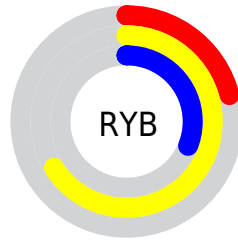
The XYZ color **25.8006, 34.0131, 8.5735** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.5667, 7.0365, 37.7963**, and the grayscale version is **27.9619, 29.4180, 32.0363**.

A 20% lighter version of the original color is **52.2779, 65.8217, 23.5852**, and **10.2699, 14.5655, 2.2701** is the 20% darker color. If you saturate the color by 10%, you get **24.8395, 33.5558, 6.8531**, and if you desaturate by 10%, it is **26.9210, 34.5391, 11.0098**.

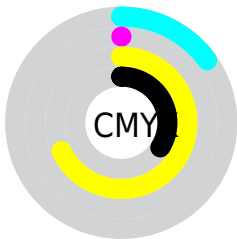
Distribution



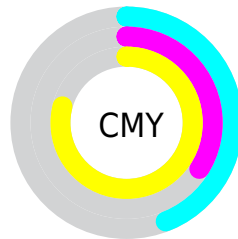
- Red (56%)
- Green (66%)
- Blue (21%)



- Red (21%)
- Yellow (66%)
- Blue (31%)



- Cyan (15%)
- Magenta (0%)
- Yellow (68%)
- Black (34%)





- Cyan (44%)
- Magenta (34%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8006, 34.0131, 8.5735 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 25.8006, 34.0131, 8.5735 by changing the saturation by 10% instead.


 25.8006, 34.0131,
8.5735


 25.8006, 34.0131,
8.5735


274.0765,
320.1905, 190.2630


 16.8064, 22.9037,
4.3711


 52.3867, 65.9540,
23.6398

 10.1910, 14.5224,
1.8310


 70.7093, 87.5543,
35.3407


 5.5890, 8.4849,
0.4483


 92.8721, 113.4204,
50.3781

 2.6351, 4.4067,
0.0000

 119.2405,
143.9365, 69.1707

 0.9639, 1.9036,
0.0000

 150.1798,
179.4872, 92.1370

 0.0000, 0.5505,
0.0000

 186.0553,

 0.0000, 0.0000,

220.4569, 119.6954

0.0000

227.2324,
267.2298, 152.2645

■ 25.8006, 34.0131,
8.5735

■ 25.8006, 34.0131,
8.5735

■ 24.8395, 33.5558,
6.8531

■ 26.9210, 34.5391,
11.0098

■ 24.0201, 33.1566,
5.7682

■ 28.2114, 35.1344,
14.2271

■ 23.3164, 32.8061,
5.1781

■ 29.6838, 35.8052,
18.2854

■ 23.2115, 32.7538,
5.0987

■ 31.3489, 36.5556,
23.2384

■ 33.2160, 37.3896,
29.1353

■ 35.2942, 38.3106,
36.0218

■ 37.5915, 39.3221,
43.9404

■ 40.1160, 40.4271,
52.9314

■ 42.8750, 41.6287,
63.0327

Harmonies

Analogous

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



33.7525, 34.0131, 7.0480



25.8006, 34.0131, 8.5735



20.5685, 34.0131, 16.0188

Triad

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



25.8006, 34.0131, 8.5735



23.7649, 34.0131, 91.0776



51.7670, 34.0131, 41.2015

Complementary

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



25.8006, 34.0131, 8.5735



11.5667, 7.0365, 37.7963

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.



47.8857, 34.0131, 71.2506



25.8006, 34.0131, 8.5735



30.9450, 34.0131, 107.1193

Square

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



25.8006, 34.0131, 8.5735



19.5476, 34.0131, 61.0139



39.8738, 34.0131, 98.5996



49.7329, 34.0131, 20.3401

Rectangle

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



25.8006, 34.0131, 8.5735



18.8329, 34.0131, 26.1612



39.8738, 34.0131, 98.5996



51.0937, 34.0131, 50.5670

Sweetspot

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



25.8014, 34.0146, 8.5742



59.2390, 67.3852, 49.5450



19.5108, 14.0198, 5.0464



12.7157, 14.5996, 10.1779



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



25.8014, 34.0146, 8.5742



44.2906, 60.5099, 11.3061



18.4459, 30.2228, 8.2300



7.9785, 8.6870, 8.0455



17.5732, 24.7565, 3.8523



0.4673, 0.6228, 0.0956

Inverse Universe

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



11.5667, 7.0365, 37.7963



16.8867, 8.3241, 67.9418



18.4010, 10.5597, 38.1162



7.2846, 7.3793, 9.4588



5.9789, 2.4657, 28.1363



0.1876, 0.0817, 0.6865

Previews

White Background



This preview shows how the XYZ color 25.8006, 34.0131, 8.5735 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 25.8006, 34.0131, 8.5735 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 25.8006, 34.0131, 8.5735

Background



This preview shows how black text looks on a background with the XYZ color 25.8006, 34.0131, 8.5735.



This preview shows how white text looks on a background with the XYZ color 25.8006, 34.0131,

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

25.8006, 34.0131, 8.5735

Protanopia

30.7071, 33.9141, 7.9453

Deuteranopia

34.3280, 33.5569, 8.9428



Tritanopia

32.5448, 33.8485, 42.3542

Trichromacy



Original Color

25.8006, 34.0131, 8.5735

Protanomaly

28.8277, 33.9722, 8.1699

Deuteranomaly

30.5315, 33.3024, 8.6897

Tritanomaly

29.1533, 33.5061, 25.0094

Monochromacy



Original Color

25.8006, 34.0131, 8.5735

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.3790, 30.6547, 20.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8006, 34.0131, 8.5735 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(142, 168, 53)` looks like.

```
.text, #text, p{  
    color:rgb(142, 168, 53)  
}
```

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(142, 168, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 168, 53) }
```

Border

The CSS property to change the border of an element to XYZ 25.8006, 34.0131, 8.5735 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(142, 168, 53) }
```


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

```
.border{ border-color:rgb(142, 168, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 168, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 168, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 168, 53);  
box-shadow:4px 4px 4px 4px rgb(142, 168,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8006, 34.0131, 8.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 168, 53) }
```

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

```
.background{ background-color: rgb(142,  
168, 53) }
```

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