

Converting Colors

XYZ(109.6508, 100.0000,
35.0948)

Have a look what the booklet for
XYZ(109.6508, 100.0000, 35.0948)
contains.

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Color

**XYZ(75.0451, 82.3154,
33.4059)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB83
RGB	255, 235, 131
RGB Percent	100%, 92%, 51%
CMY	0.0000, 0.0784, 0.4863
CMYK	0.00, 0.08, 0.49, 0.00
HSL	50°, 100%, 76%
HSV	50°, 49%, 100%
XYZ	75.0451, 82.3154, 33.4059
YIQ	229.1240, 45.3040, -28.1040

Conversions

Conversions Part 2

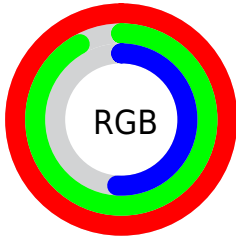
Format	Color
R_{YB}	155, 255, 131
Decimal	16771971
CIE _{Lab}	92.71, -6.46, 52.55
CIE _{LCh}	93, 52.942, 97.013
Yxy	82.3154, 0.3934, 0.4315
Android (android.graphics.Color)	4294962051 (0xFFFFE83)
YUV	229.1240, -48.3751, 22.6933
Hunter-Lab	90.7278, -11.1283, 41.6790

Details

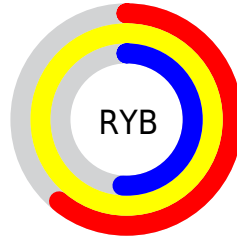
The XYZ color **75.0451, 82.3154, 33.4059** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4764, 34.1774, 99.1765**, and the grayscale version is **74.8909, 78.7911, 85.8035**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **40.2602, 44.5260, 13.6802** is the 20% darker color. If you saturate the color by 10%, you get **72.3622, 79.3834, 25.0092**, and if you desaturate by 10%, it is **78.1845, 85.4796, 44.0547**.

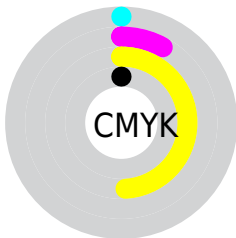
Distribution



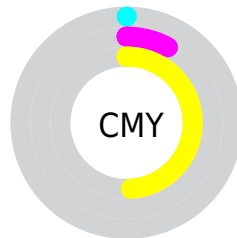
- Red (100%)
- Green (92%)
- Blue (51%)



- Red (61%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0451, 82.3154, 33.4059 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 75.0451, 82.3154, 33.4059 by changing the saturation by 10% instead.


 75.0451, 82.3154,
33.4059


 75.0451, 82.3154,
33.4059


467.0674,
502.7021, 332.1627


 55.9441, 61.6255,
22.1639


 125.3638,
136.6162, 66.1320

 40.3950, 44.7302,
13.7779


 157.3122,
170.9960, 88.4532

 28.0322, 31.2450,
7.8294


 194.2738,
210.7078, 115.3046

 18.4905, 20.7855,
3.8998

236.6140,
256.1361, 147.1047

 11.4045, 12.9673,
1.5705

284.6981,
307.6653, 184.2720

 6.4089, 7.4060,
0.2697

338.8914,

 3.1383, 3.7173,

365.6798, 227.2251

0.0000

399.5594,
430.5639, 276.3825

■ 1.2273, 1.5167,
0.0000

■ 0.1278, 0.3004,
0.0000

■ 75.0451, 82.3154,
33.4059

■ 75.0451, 82.3154,
33.4059

■ 72.3622, 79.3834,
25.0092

■ 78.1845, 85.4796,
44.0547

■ 70.0979, 76.6590,
18.6921

■ 81.8031, 88.8763,
57.1009

■ 68.2178, 74.1313,
14.2656

■ 85.9292, 92.5201,
72.6836

■ 66.6787, 71.7827,
11.5037

■ 90.5871, 96.4210,
90.9296

■ 65.4194, 69.5883, 95.0499, 99.9999,
10.0845 108.9000

■ 65.2571, 69.2944,
9.9357

Harmonies

Analogous

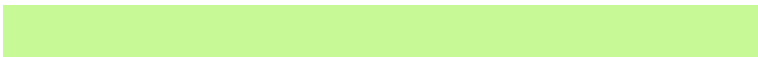
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0581, 82.3154, 36.3156



75.0451, 82.3154, 33.4059



63.3356, 82.3154, 41.6332

Triad

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



75.0451, 82.3154, 33.4059



58.9162, 82.3154, 143.5614



105.2781, 82.3154, 122.6784

Complementary

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



75.0451, 82.3154, 33.4059



38.4764, 34.1774, 99.1765

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.



95.3126, 82.3154, 164.9767



75.0451, 82.3154, 33.4059



68.3324, 82.3154, 179.2990

Square

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



75.0451, 82.3154, 33.4059



54.7594, 82.3154, 99.2234



81.5209, 82.3154, 188.1123



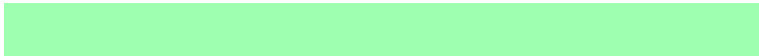
107.6201, 82.3154, 80.6711

Rectangle

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



75.0451, 82.3154, 33.4059



58.0363, 82.3154, 54.3110



81.5209, 82.3154, 188.1123



102.6563, 82.3154, 137.6615

Sweetspot

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



75.0471, 82.3192, 33.4076



87.5559, 93.9047, 78.9860



54.9970, 39.7495, 34.3376



18.5363, 19.9263, 16.1129



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

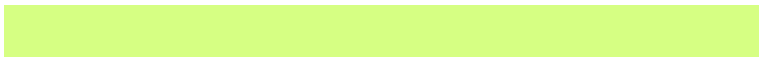
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0471, 82.3192, 33.4076



72.5178, 79.5611, 25.4722



67.4914, 87.4047, 34.7874



19.2972, 20.5625, 19.0962



34.1914, 36.3939, 5.2227



3.3928, 3.6710, 0.5298

Inverse Universe

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



38.4764, 34.1774, 99.1765



32.2346, 26.5704, 98.0374



43.2536, 32.2620, 98.5550



17.2395, 17.8507, 22.7868



9.9172, 4.7441, 49.8276



1.0299, 0.5905, 4.8730

Previews

White Background



This preview shows how the XYZ color 75.0451, 82.3154, 33.4059 looks on a white background.

Color Contrast Check

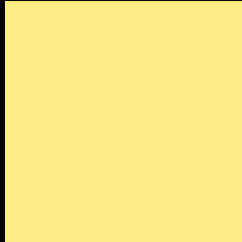
Large Text (above 18pt) WCAG AA × Fail

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 75.0451, 82.3154, 33.4059 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 75.0451, 82.3154, 33.4059

Background



This preview shows how black text looks on a background with the XYZ color 75.0451, 82.3154, 33.4059.

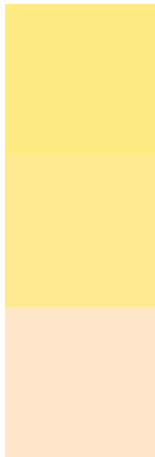


This preview shows how white text looks on a background with the XYZ color 75.0451, 82.3154,

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

75.0451, 82.3154, 33.4059

Protanopia

75.8511, 82.1810, 39.0589

Deuteranopia

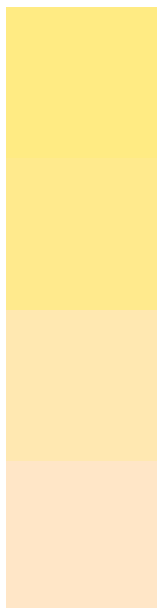
80.3163, 82.1654, 68.1263



Tritanopia

84.1417, 82.3712, 92.3534

Trichromacy



Original Color

75.0451, 82.3154, 33.4059

Protanomaly

75.4705, 82.0287, 37.0547

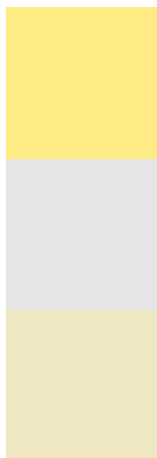
Deuteranomaly

78.0324, 82.1476, 53.3383

Tritanomaly

79.8456, 81.9771, 65.6477

Monochromacy



Original Color

75.0451, 82.3154, 33.4059

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.4614, 79.1792, 61.8634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0451, 82.3154, 33.4059 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(255, 235, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 131)  
}
```

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(255, 235, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 131) }
```

Border

The CSS property to change the border of an element to XYZ 75.0451, 82.3154, 33.4059 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(255, 235, 131) }
```


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

```
.border{ border-color:rgb(255, 235, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0451, 82.3154, 33.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 131) }
```

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

```
.background{ background-color: rgb(255,  
235, 131) }
```

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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