

Converting Colors

XYZ(75.0138, 86.4399, 44.6292)

Have a look what the booklet for
XYZ(75.0138, 86.4399, 44.6292)
contains.

XYZ(75.0138, 86.4399, 44.6292)	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(75.0138, 86.4399,
44.6292)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F59D
RGB	241, 245, 157
RGB Percent	95%, 96%, 62%
CMY	0.0549, 0.0392, 0.3843
CMYK	0.02, 0.00, 0.36, 0.04
HSL	63°, 81%, 79%
HSV	63°, 36%, 96%
XYZ	75.0138, 86.4399, 44.6292
YIQ	233.7720, 25.8640, -28.2160

Conversions

Conversions Part 2

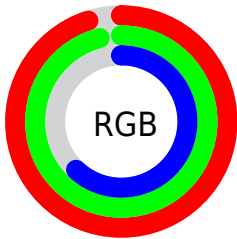
Format	Color
RYB	157, 245, 161
Decimal	15857053
CIELab	94.50, -14.23, 41.95
CIELCh	95, 44.299, 108.733
Yxy	86.4399, 0.3640, 0.4194
Android (android.graphics.Color)	4294047133 (0xFFFF1F59D)
YUV	233.7720, -37.8486, 6.3390
Hunter-Lab	92.9731, -18.6830, 36.6206

Details

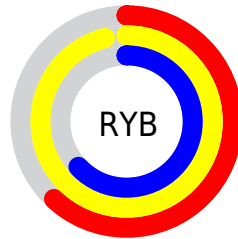
The XYZ color **75.0138, 86.4399, 44.6292** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.2396, 38.2858, 91.5022**, and the grayscale version is **78.2996, 82.3773, 89.7089**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **40.4635, 47.5850, 20.1489** is the 20% darker color. If you saturate the color by 10%, you get **72.7496, 85.4934, 34.6779**, and if you desaturate by 10%, it is **77.7041, 87.5632, 56.7932**.

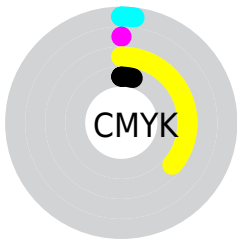
Distribution



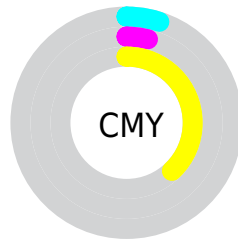
- Red (95%)
- Green (96%)
- Blue (62%)



- Red (62%)
- Yellow (96%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0138, 86.4399, 44.6292 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 75.0138, 86.4399, 44.6292 by changing the saturation by 10% instead.

75.0138, 86.4399,
44.6292

75.0138, 86.4399,
44.6292

466.9614,
516.3806, 381.3860

55.9184, 65.0318,
30.8246

125.3197,
142.3832, 83.4762

40.3743, 47.4869,
20.2080

157.2609,
177.6872, 109.3558

28.0160, 33.4207,
12.3608

194.2148,
218.3919, 140.0975

18.4782, 22.4489,
6.8644

236.5467,
264.8818, 176.1198

11.3956, 14.1871,
3.3003

284.6219,
317.5412, 217.8412

6.4028, 8.2509,
1.2499

338.8059,

3.1345, 4.2559,

376.7545, 265.6804

0.0202

399.4640,
442.9062, 320.0558

■ 1.2253, 1.8177,
0.0000

■ 0.1262, 0.4982,
0.0000

■ 75.0138, 86.4399,
44.6292

■ 75.0138, 86.4399,
44.6292

■ 72.7496, 85.4934,
34.6779

■ 77.7041, 87.5632,
56.7932

■ 70.8799, 84.7019,
26.8011

■ 80.8372, 88.8608,
71.2863

■ 69.3788, 84.0582,
20.8535

■ 84.4367, 90.3453,
88.2230

■ 68.2148, 83.5496,
16.6691

■ 88.5217, 92.0242,
107.7046

■ 67.3511, 83.1613,
14.0534

■ 88.9130, 92.2260,
107.7229

■ 66.7419, 82.8751,
12.7659

■ 89.3067, 92.4289,
107.7413

■ 66.5376, 82.7761,
12.4705

■ 89.7027, 92.6330,
107.7599

■ 90.1011, 92.8384,
107.7785

■ 90.5018, 93.0450,
107.7973

Harmonies

Analogous

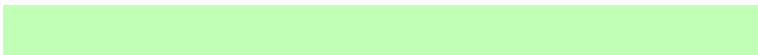
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7193, 86.4399, 43.2971



75.0138, 86.4399, 44.6292



66.1041, 86.4399, 57.1172

Triad

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



75.0138, 86.4399, 44.6292



67.9470, 86.4399, 152.5940



106.7542, 86.4399, 107.5370

Complementary

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



75.0138, 86.4399, 44.6292



43.2396, 38.2858, 91.5022

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.



100.6222, 86.4399, 144.4016



75.0138, 86.4399, 44.6292



77.7606, 86.4399, 174.3058

Square

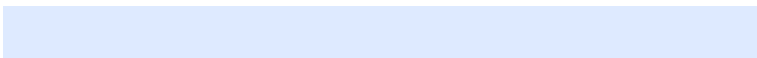
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0138, 86.4399, 44.6292



62.3048, 86.4399, 116.8177



89.7431, 86.4399, 170.9899



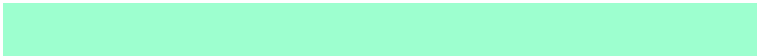
105.8368, 86.4399, 74.5682

Rectangle

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



75.0138, 86.4399, 44.6292



62.5935, 86.4399, 72.2571



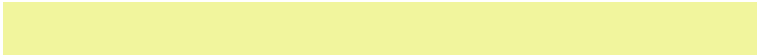
89.7431, 86.4399, 170.9899



105.4269, 86.4399, 119.9963

Sweetspot

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



75.0159, 86.4438, 44.6310



90.3900, 98.0819, 86.8045



56.3041, 46.9675, 37.9975



19.2337, 20.9468, 18.0467



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

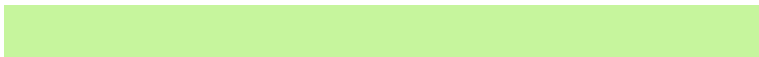
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0159, 86.4438, 44.6310



80.3251, 93.9007, 40.8208



62.0478, 79.7585, 44.0241



17.8357, 19.2729, 17.5776



35.8762, 44.6077, 6.7193



3.1758, 3.9322, 0.5916

Inverse Universe

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



43.2396, 38.2858, 91.5022



40.8696, 34.0944, 99.0346



53.4246, 43.5364, 91.9788



15.6509, 15.9627, 20.7988



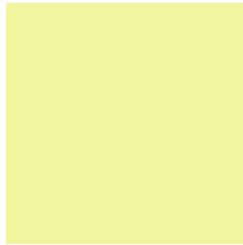
8.9850, 3.6062, 46.7605



0.8138, 0.3294, 4.1109

Previews

White Background



This preview shows how the XYZ color 75.0138, 86.4399, 44.6292 looks on a white background.

Color Contrast Check

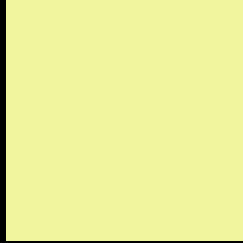
Large Text (above 18pt) WCAG AA × Fail

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 75.0138, 86.4399, 44.6292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

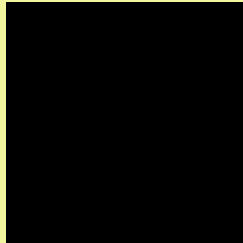
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.0138, 86.4399, 44.6292

Background



This preview shows how black text looks on a background with the XYZ color 75.0138, 86.4399, 44.6292.

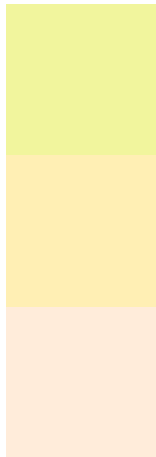


This preview shows how white text looks on a background with the XYZ color 75.0138, 86.4399,

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

75.0138, 86.4399, 44.6292

Protanopia

80.3447, 86.2883, 55.6007

Deuteranopia

83.8903, 86.3129, 78.5682



Tritanopia

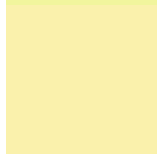
86.8545, 86.0015, 104.1177

Trichromacy



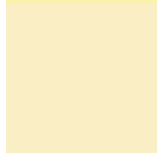
Original Color

75.0138, 86.4399, 44.6292



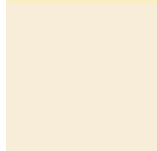
Protanomaly

78.3260, 86.2131, 51.5423



Deuteranomaly

80.2546, 86.0425, 64.6025



Tritanomaly

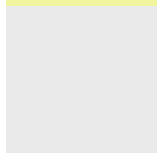
81.5200, 85.5346, 77.8589

Monochromacy



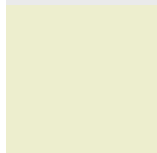
Original Color

75.0138, 86.4399, 44.6292



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.6402, 83.6098, 70.4915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0138, 86.4399, 44.6292 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(241, 245, 157)` looks like.

```
.text, #text, p{  
    color:rgb(241, 245, 157)  
}
```

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(241, 245, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 245, 157) }
```

Border

The CSS property to change the border of an element to XYZ 75.0138, 86.4399, 44.6292 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(241, 245, 157) }
```


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

```
.border{ border-color:rgb(241, 245, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 245, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 245, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 245, 157);  
box-shadow:4px 4px 4px 4px rgb(241, 245,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0138, 86.4399, 44.6292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 245, 157) }
```

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

```
.background{ background-color: rgb(241,  
245, 157) }
```

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