

Converting Colors

XYZ(75.1721, 90.0078, 41.7385)

Have a look what the booklet for
XYZ(75.1721, 90.0078, 41.7385)
contains.

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Color

**XYZ(75.1603, 89.7953,
41.8046)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFC95
RGB	237, 252, 149
RGB Percent	93%, 99%, 58%
CMY	0.0706, 0.0117, 0.4157
CMYK	0.06, 0.00, 0.41, 0.01
HSL	69°, 95%, 79%
HSV	69°, 41%, 99%
XYZ	75.1603, 89.7953, 41.8046
YIQ	235.7730, 24.1230, -35.2130

Conversions

Conversions Part 2

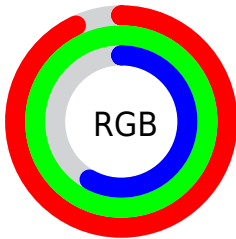
Format	Color
RYB	149, 252, 164
Decimal	15596693
CIELab	95.91, -20.01, 47.59
CIELCh	96, 51.626, 112.807
Yxy	89.7953, 0.3635, 0.4343
Android (android.graphics.Color)	4293786773 (0xFFEDFC95)
YUV	235.7730, -42.7791, 1.0761
Hunter-Lab	94.7604, -24.2513, 40.1758

Details

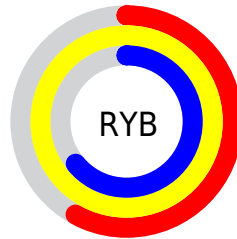
The XYZ color **75.1603, 89.7953, 41.8046** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.6313, 36.4180, 96.8305**, and the grayscale version is **79.8611, 84.0201, 91.4979**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **40.4488, 49.5780, 18.5040** is the 20% darker color. If you saturate the color by 10%, you get **72.1497, 88.4540, 32.2739**, and if you desaturate by 10%, it is **78.6358, 91.3317, 53.6327**.

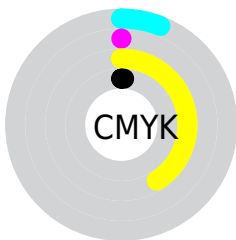
Distribution



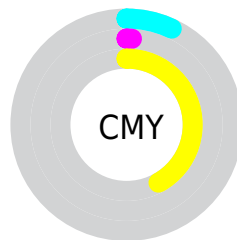
- Red (93%)
- Green (99%)
- Blue (58%)



- Red (58%)
- Yellow (99%)
- Blue (64%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (1%)



- Cyan (7%)
- Magenta (1%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1603, 89.7953, 41.8046 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 75.1603, 89.7953, 41.8046 by changing the saturation by 10% instead.

75.1603, 89.7953,
41.8046

75.1603, 89.7953,
41.8046

467.4571,
527.3647, 369.4480

56.0389, 67.8109,
28.6239

125.5259,
147.0540, 79.1707

40.4712, 49.7439,
18.5534

157.5009,
183.0971, 104.1932

28.0920, 35.2099,
11.1745

194.4910,
224.5952, 134.0000

18.5358, 23.8246,
6.0687

236.8617,
271.9327, 169.0097

11.4374, 15.2036,
2.8174

284.9782,
325.4940, 209.6408

6.4313, 8.9624,
1.0022

339.2061,

3.1522, 4.7167,

385.6636, 256.3119

0.0000

399.9106,
452.8257, 309.4414

■ 1.2347, 2.0820,
0.0000

■ 0.1335, 0.6545,
0.0000

■ 75.1603, 89.7953,
41.8046

■ 75.1603, 89.7953,
41.8046

■ 72.1497, 88.4540,
32.2739

■ 78.6358, 91.3317,
53.6327

■ 69.5687, 87.2844,
24.8857

■ 82.5955, 93.0616,
67.8886

■ 67.3879, 86.2776,
19.4748

■ 87.0656, 94.9986,
84.6995

■ 65.5706, 85.4191,
15.8496

■ 92.0684, 97.1515,
104.1822

■ 64.0732, 84.6914,
13.7807

■ 94.1024, 98.1048,
108.5841

■ 62.9226, 84.1161,
12.9197

Harmonies

Analogous

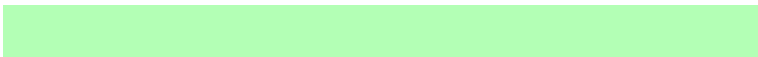
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8250, 89.7953, 38.7503



75.1603, 89.7953, 41.8046



65.3269, 89.7953, 57.5907

Triad

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



75.1603, 89.7953, 41.8046



69.8315, 89.7953, 174.5595



115.5235, 89.7953, 107.9311

Complementary

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



75.1603, 89.7953, 41.8046



43.6313, 36.4180, 96.8305

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.



109.0906, 89.7953, 153.2989



75.1603, 89.7953, 41.8046



81.9624, 89.7953, 198.1300

Square

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



75.1603, 89.7953, 41.8046



62.4978, 89.7953, 131.4565



96.4165, 89.7953, 189.4241



113.1818, 89.7953, 70.3971

Rectangle

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



75.1603, 89.7953, 41.8046



61.7550, 89.7953, 76.3605



96.4165, 89.7953, 189.4241



114.2934, 89.7953, 122.8524

Sweetspot

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



75.1625, 89.7993, 41.8065



88.8877, 97.3478, 84.9109



58.6227, 48.9676, 34.7969



18.8923, 20.7788, 17.6671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

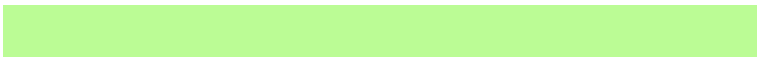
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1625, 89.7993, 41.8065



74.6497, 91.1025, 34.7868



60.6749, 82.3307, 41.1285



18.4643, 20.0551, 18.3602



32.8732, 43.8650, 6.7342



3.1103, 4.0965, 0.6268

Inverse Universe

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



43.6313, 36.4180, 96.8305



38.2980, 29.5181, 98.2868



56.1208, 42.8565, 97.4150



16.5183, 16.7643, 21.7505



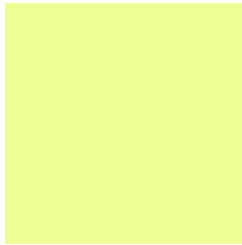
9.6179, 3.9009, 48.2196



0.9593, 0.3966, 4.4692

Previews

White Background



This preview shows how the XYZ color 75.1603, 89.7953, 41.8046 looks on a white background.

Color Contrast Check

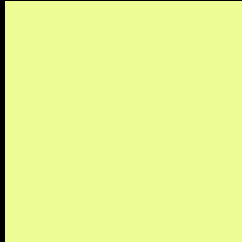
Large Text (above 18pt) WCAG AA × Fail

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 75.1603, 89.7953, 41.8046 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 75.1603, 89.7953, 41.8046

Background



This preview shows how black text looks on a background with the XYZ color 75.1603, 89.7953, 41.8046.

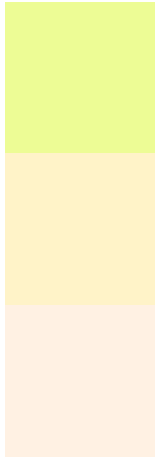


This preview shows how white text looks on a background with the XYZ color 75.1603, 89.7953,

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

75.1603, 89.7953, 41.8046

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

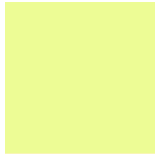
86.5604, 89.7166, 85.4279



Tritanopia

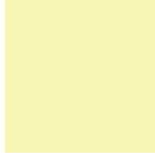
88.2770, 89.6799, 107.2650

Trichromacy



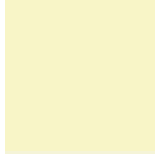
Original Color

75.1603, 89.7953, 41.8046



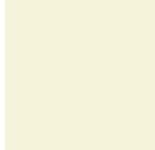
Protanomaly

80.0077, 89.2042, 56.7173



Deuteranomaly

81.6726, 89.3848, 66.9812



Tritanomaly

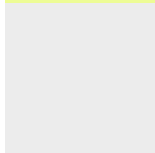
82.4015, 89.0717, 77.8153

Monochromacy



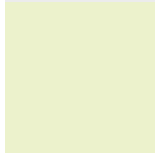
Original Color

75.1603, 89.7953, 41.8046



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2433, 85.6968, 69.5967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1603, 89.7953, 41.8046 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(237, 252, 149)` looks like.

```
.text, #text, p{  
    color:rgb(237, 252, 149)  
}
```

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(237, 252, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 252, 149) }
```

Border

The CSS property to change the border of an element to XYZ 75.1603, 89.7953, 41.8046 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(237, 252, 149) }
```


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

```
.border{ border-color:rgb(237, 252, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 252, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 252, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 252, 149);  
box-shadow:4px 4px 4px 4px rgb(237, 252,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1603, 89.7953, 41.8046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 252, 149) }
```

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

```
.background{ background-color: rgb(237,  
252, 149) }
```

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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