

Converting Colors

XYZ(75.1547, 86.2023, 25.6954)

Have a look what the booklet for
XYZ(75.1547, 86.2023, 25.6954)
contains.

XYZ(75.0573, 85.9833, 25.7372)	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(75.0573, 85.9833,
25.7372)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF368
RGB	253, 243, 104
RGB Percent	99%, 95%, 41%
CMY	0.0078, 0.0470, 0.5921
CMYK	0.00, 0.04, 0.59, 0.01
HSL	56°, 97%, 70%
HSV	56°, 59%, 99%
XYZ	75.0573, 85.9833, 25.7372
YIQ	230.1440, 50.5790, -41.1090

Conversions

Conversions Part 2

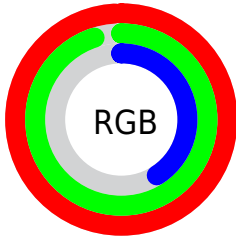
Format	Color
RYB	115, 253, 104
Decimal	16642920
CIELab	94.31, -13.30, 66.52
CIElCh	94, 67.837, 101.305
Yxy	85.9833, 0.4019, 0.4604
Android (android.graphics.Color)	4294833000 (0xFFFD368)
YUV	230.1440, -62.1890, 20.0447
Hunter-Lab	92.7272, -17.7871, 48.4526

Details

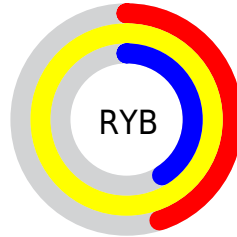
The XYZ color **75.0573, 85.9833, 25.7372** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.4559, 22.0690, 95.6353**, and the grayscale version is **75.7423, 79.6868, 86.7789**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **40.2757, 47.0833, 9.6546** is the 20% darker color. If you saturate the color by 10%, you get **73.4555, 84.5370, 19.7866**, and if you desaturate by 10%, it is **77.0533, 87.6012, 33.7226**.

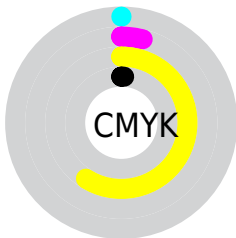
Distribution



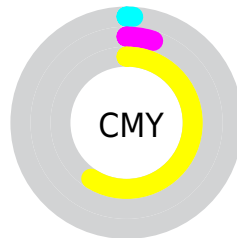
- Red (99%)
- Green (95%)
- Blue (41%)



- Red (45%)
- Yellow (99%)
- Blue (41%)



- Cyan (0%)
- Magenta (4%)
- Yellow (59%)
- Black (1%)




- Cyan (1%)
- Magenta (5%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0573, 85.9833, 25.7372 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 75.0573, 85.9833, 25.7372 by changing the saturation by 10% instead.


 75.0573, 85.9833,
25.7372

 75.0573, 85.9833,
25.7372


467.1086,
514.8761, 295.0539

 55.9542, 64.6542,
16.4031


 125.3809,
141.7462, 53.8295

 40.4030, 47.1807,
9.6524


 157.3322,
176.9487, 73.4249

 28.0385, 33.1785,
5.0666


 194.2968,
217.5445, 97.2778

 18.4953, 22.2632,
2.2269

 236.6402,
263.9180, 125.8068

 11.4080, 14.0505,
0.6899

284.7278,
316.4534, 159.4303

 6.4113, 8.1558,
0.0000

338.9248,

 3.1398, 4.1948,

375.5354, 198.5670

0.0000

399.5966,
441.5481, 243.6354

■ 1.2281, 1.7831,
0.0000

■ 0.1284, 0.4766,
0.0000

■ 75.0573, 85.9833,
25.7372

■ 75.0573, 85.9833,
25.7372

■ 73.4555, 84.5370,
19.7866

■ 77.0533, 87.6012,
33.7226

■ 72.2061, 83.2359,
15.6776


■ 79.4687, 89.3912,
43.9020


■ 71.2688, 82.0672,
13.1895


■ 82.3335, 91.3685,
56.4252


■ 70.5819, 81.0061,
11.9962


■ 85.6735, 93.5434,
71.4269

 70.5123, 80.8915,
11.8972

 89.5123, 95.9254,
89.0321

 93.7423, 98.4716,
108.6739

 94.2809, 99.5488,
108.8534

 94.3178, 99.6225,
108.8657

Harmonies

Analogous

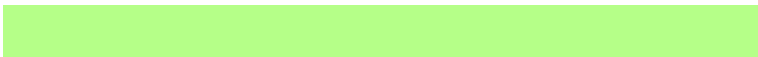
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4578, 85.9833, 27.1763



75.0573, 85.9833, 25.7372



60.7410, 85.9833, 36.7272

Triad

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



75.0573, 85.9833, 25.7372



58.1623, 85.9833, 176.5397



119.5400, 85.9833, 129.5449

Complementary

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



75.0573, 85.9833, 25.7372



29.4559, 22.0690, 95.6353

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.



107.0571, 85.9833, 190.8469



75.0573, 85.9833, 25.7372



71.0169, 85.9833, 224.1933

Square

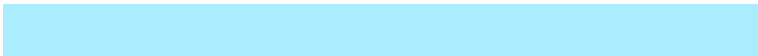
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0573, 85.9833, 25.7372



51.9976, 85.9833, 114.6650



88.7754, 85.9833, 230.2291



121.0501, 85.9833, 75.3237

Rectangle

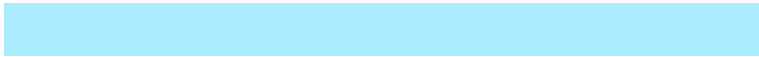
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0573, 85.9833, 25.7372



54.7198, 85.9833, 53.2863



88.7754, 85.9833, 230.2291



116.4101, 85.9833, 150.4332

Sweetspot

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



75.0593, 85.9873, 25.7390



87.5468, 95.4400, 74.1941



48.6355, 32.0548, 20.2753



18.5130, 20.2844, 14.8570



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.



75.0593, 85.9873, 25.7390



74.4823, 85.7696, 19.0993



59.0893, 82.3155, 25.8720



19.4508, 20.8697, 19.1474



37.5535, 43.1183, 6.3434



3.6866, 4.2585, 0.6277

Inverse Universe

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



29.4559, 22.0690, 95.6353



24.2054, 15.3442, 96.2937



38.4241, 25.1095, 95.7495



17.1008, 17.5732, 22.7406



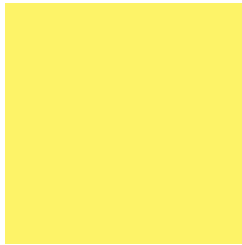
9.5732, 4.0560, 49.7129



0.9647, 0.4601, 4.8512

Previews

White Background



This preview shows how the XYZ color 75.0573, 85.9833, 25.7372 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 75.0573, 85.9833, 25.7372 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 75.0573, 85.9833, 25.7372

Background



This preview shows how black text looks on a background with the XYZ color 75.0573, 85.9833, 25.7372.

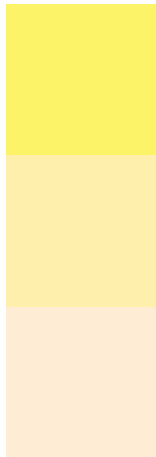


This preview shows how white text looks on a background with the XYZ color 75.0573, 85.9833,

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

75.0573, 85.9833, 25.7372

Protanopia

79.6493, 86.0101, 51.9388

Deuteranopia

83.2457, 86.0550, 75.1735



Tritanopia

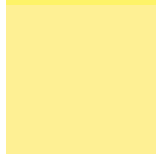
86.5566, 86.0089, 96.8334

Trichromacy



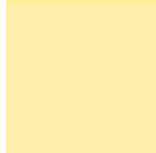
Original Color

75.0573, 85.9833, 25.7372



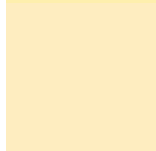
Protanomaly

77.3784, 85.5291, 40.4475



Deuteranomaly

79.2824, 85.8210, 51.9216



Tritanomaly

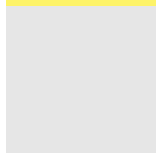
80.6717, 85.4450, 62.1098

Monochromacy



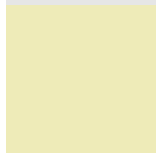
Original Color

75.0573, 85.9833, 25.7372



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.6200, 81.0545, 57.1123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0573, 85.9833, 25.7372 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(253, 243, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 104)  
}
```

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(253, 243, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 104) }
```

Border

The CSS property to change the border of an element to XYZ 75.0573, 85.9833, 25.7372 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(253, 243, 104) }
```


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

```
.border{ border-color:rgb(253, 243, 104) }
```

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

Here you see how a box with a 4 pixel rgb(253, 243, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0573, 85.9833, 25.7372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 104) }
```

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

```
.background{ background-color: rgb(253,  
243, 104) }
```

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