

Converting Colors

XYZ(76.0924, 88.3260, 53.5149)

Have a look what the booklet for
XYZ(76.0924, 88.3260, 53.5149)
contains.

XYZ(75.8973, 88.0628, 53.5550)	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(75.8973, 88.0628,
53.5550)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF8AF
RGB	236, 248, 175
RGB Percent	93%, 97%, 69%
CMY	0.0745, 0.0274, 0.3137
CMYK	0.05, 0.00, 0.29, 0.03
HSL	70°, 84%, 83%
HSV	70°, 29%, 97%
XYZ	75.8973, 88.0628, 53.5550
YIQ	236.0900, 16.2810, -25.2470

Conversions

Conversions Part 2

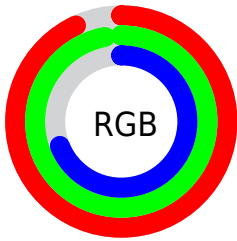
Format	Color
RYB	175, 248, 187
Decimal	15530159
CIELab	95.19, -15.38, 33.83
CIElCh	95, 37.162, 114.452
Yxy	88.0628, 0.3489, 0.4049
Android (android.graphics.Color)	4293720239 (0xFFE8F8AF)
YUV	236.0900, -30.1174, -0.0789
Hunter-Lab	93.8418, -19.8560, 31.8528

Details

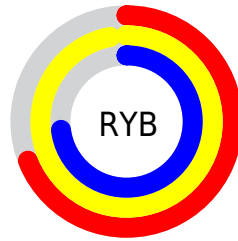
The XYZ color **75.8973, 88.0628, 53.5550** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.7702, 48.0044, 95.2964**, and the grayscale version is **80.0143, 84.1813, 91.6734**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **40.9529, 48.6881, 25.6517** is the 20% darker color. If you saturate the color by 10%, you get **72.3439, 86.4898, 41.8207**, and if you desaturate by 10%, it is **79.9335, 89.8386, 67.6505**.

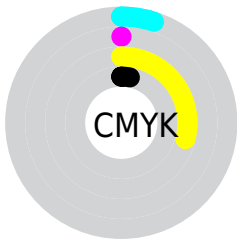
Distribution



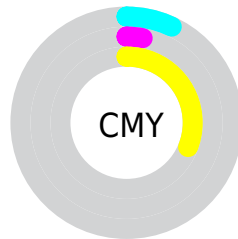
- Red (93%)
- Green (97%)
- Blue (69%)



- Red (69%)
- Yellow (97%)
- Blue (73%)



- Cyan (5%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8973, 88.0628, 53.5550 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 75.8973, 88.0628, 53.5550 by changing the saturation by 10% instead.


 75.8973, 88.0628,
53.5550

 75.8973, 88.0628,
53.5550


469.9459,
521.7089, 417.5373

 56.6451, 66.3751,
37.8553


 126.5629,
144.6446, 96.8704

 40.9594, 48.5769,
25.5694


158.7069,
180.3074, 125.3230

 28.4749, 34.2840,
16.2789


195.8789,
221.3975, 158.8638

 18.8262, 23.1119,
9.5652

238.4442,
268.2990, 197.9111

 11.6480, 14.6761,
5.0099

286.7682,
321.3966, 242.8836

 6.5750, 8.5924,
2.1942

341.2162,

 3.2417, 4.4763,

381.0745, 294.1998

0.6710

402.1537,
447.7171, 352.2782

■ 1.2828, 1.9434,
0.0000

■ 0.1703, 0.5743,
0.0000

■ 75.8973, 88.0628,
53.5550

■ 75.8973, 88.0628,
53.5550

■ 72.3439, 86.4898,
41.8207

■ 79.9335, 89.8386,
67.6505

■ 69.2418, 85.0978,
32.3127

■ 84.4687, 91.8145,
84.2209

■ 66.5663, 83.8800,
24.8916

■ 89.5264, 94.0030,
103.3792

■ 64.2871, 82.8243,
19.3994

■ 91.8782, 95.1128,
108.1238

■ 62.3698, 81.9168,
15.6562

■ 92.8593, 95.6186,
108.1698

■ 60.7737, 81.1412,
13.4477

■ 59.4350, 80.4720,
12.4402

■ 59.3630, 80.4357,
12.3969

Harmonies

Analogous

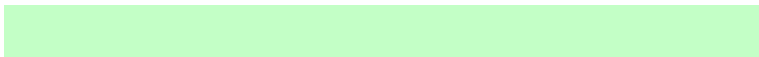
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5975, 88.0628, 50.4039



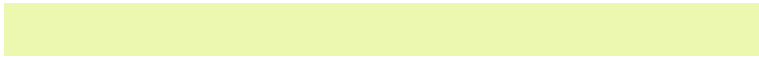
75.8973, 88.0628, 53.5550



68.8375, 88.0628, 66.9827

Triad

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



75.8973, 88.0628, 53.5550



72.8838, 88.0628, 148.7880



104.6147, 88.0628, 101.3777

Complementary

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



75.8973, 88.0628, 53.5550



52.7702, 48.0044, 95.2964

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.



100.5636, 88.0628, 132.0955



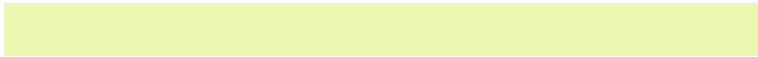
75.8973, 88.0628, 53.5550



81.8329, 88.0628, 162.7843

Square

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



75.8973, 88.0628, 53.5550



67.1984, 88.0628, 120.8694



92.0222, 88.0628, 156.1308



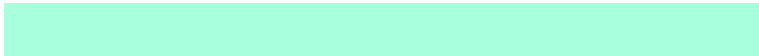
102.7059, 88.0628, 74.6058

Rectangle

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



75.8973, 88.0628, 53.5550



66.3092, 88.0628, 81.7021



92.0222, 88.0628, 156.1308



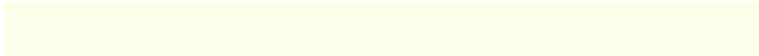
103.8955, 88.0628, 111.6220

Sweetspot

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



75.8995, 88.0667, 53.5569



90.1976, 97.9002, 90.5239



64.0006, 58.1508, 48.4096



19.1473, 20.8858, 18.7855



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

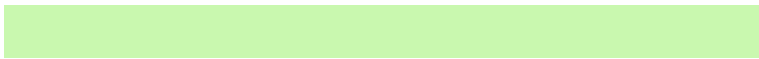
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8995, 88.0667, 53.5569



78.6648, 92.8457, 49.7312



65.2749, 82.5895, 53.0596



18.4307, 20.0378, 18.3587



32.1683, 43.5017, 6.7012



3.0515, 4.0662, 0.6240

Inverse Universe

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



52.7702, 48.0044, 95.2964



50.5629, 44.1563, 100.4658



62.5383, 53.0400, 95.7535



16.5489, 16.7801, 21.7520



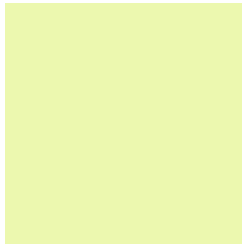
9.7188, 3.9529, 48.2243



0.9737, 0.4040, 4.4698

Previews

White Background



This preview shows how the XYZ color 75.8973, 88.0628, 53.5550 looks on a white background.

Color Contrast Check

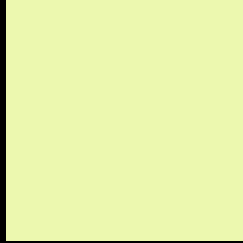
Large Text (above 18pt) WCAG AA × Fail

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 75.8973, 88.0628, 53.5550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

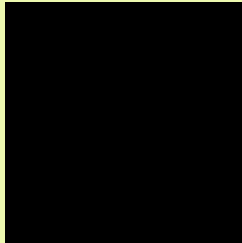
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8973, 88.0628, 53.5550

Background



This preview shows how black text looks on a background with the XYZ color 75.8973, 88.0628, 53.5550.

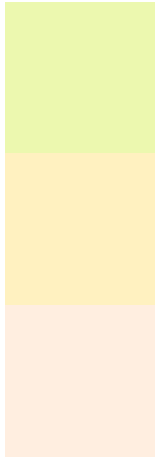


This preview shows how white text looks on a background with the XYZ color 75.8973, 88.0628,

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

75.8973, 88.0628, 53.5550

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

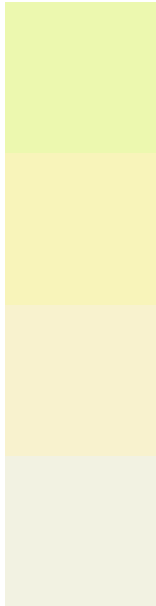
85.2691, 87.7909, 82.9722



Tritanopia

86.6306, 87.9619, 107.0202

Trichromacy



Original Color

75.8973, 88.0628, 53.5550

Protanomaly

79.9250, 88.2030, 59.2668

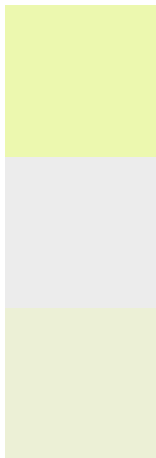
Deuteranomaly

81.6041, 87.9170, 71.0612

Tritanomaly

82.0975, 87.8725, 84.5856

Monochromacy



Original Color

75.8973, 88.0628, 53.5550

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

77.8898, 85.0081, 75.9213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8973, 88.0628, 53.5550 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(236, 248, 175)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 175)  
}
```

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(236, 248, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 175) }
```

Border

The CSS property to change the border of an element to XYZ 75.8973, 88.0628, 53.5550 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(236, 248, 175) }
```


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

```
.border{ border-color:rgb(236, 248, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 248, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 248, 175); box-shadow:4px 4px 4px 4px rgb(236, 248, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8973, 88.0628, 53.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 175) }
```

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

```
.background{ background-color: rgb(236,  
248, 175) }
```

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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