

Converting Colors

XYZ(78.4255, 92.5400, 56.0526)

Have a look what the booklet for
XYZ(78.4255, 92.5400, 56.0526)
contains.

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Color

**XYZ(78.3880, 92.5672,
55.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFB2
RGB	236, 255, 178
RGB Percent	93%, 100%, 70%
CMY	0.0745, 0.0000, 0.3020
CMYK	0.07, 0.00, 0.30, 0.00
HSL	75°, 100%, 85%
HSV	75°, 30%, 100%
XYZ	78.3880, 92.5672, 55.8553
YIQ	240.5410, 13.3930, -27.9750

Conversions

Conversions Part 2

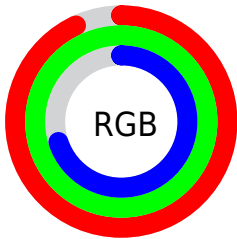
Format	Color
RYB	178, 255, 197
Decimal	15531954
CIELab	97.05, -18.40, 34.81
CIELCh	97, 39.377, 117.856
Yxy	92.5672, 0.3456, 0.4081
Android (android.graphics.Color)	4293722034 (0xFFECCFB2)
YUV	240.5410, -30.8327, -3.9825
Hunter-Lab	96.2118, -22.9390, 32.9278

Details

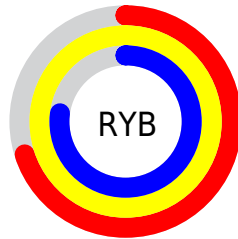
The XYZ color **78.3880, 92.5672, 55.8553** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **56.9974, 50.9324, 101.4346**, and the grayscale version is **83.4748, 87.8220, 95.6381**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **42.4862, 51.4525, 27.0941** is the 20% darker color. If you saturate the color by 10%, you get **74.0084, 90.5783, 43.5047**, and if you desaturate by 10%, it is **83.3180, 94.7849, 70.7184**.

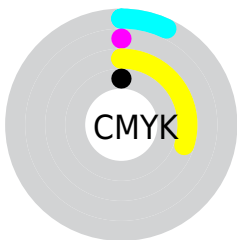
Distribution



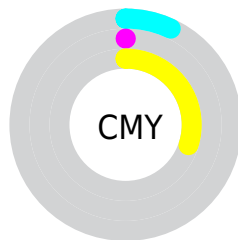
- Red (93%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (77%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3880, 92.5672, 55.8553 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 78.3880, 92.5672, 55.8553 by changing the saturation by 10% instead.


 78.3880, 92.5672,
55.8553

 78.3880, 92.5672,
55.8553


478.3032,
536.3469, 426.5189

 58.6967, 70.1118,
39.6837


 130.0594,
150.8993, 100.2767

 42.6144, 51.6177,
26.9801


162.7702,
187.5448, 129.3635

 29.7759, 36.7004,
17.3260


200.5515,
229.6891, 163.5925

 19.8158, 24.9756,
10.3028

243.7687,
277.7166, 203.3822

 12.3687, 16.0589,
5.4919

292.7871,
332.0118, 249.1512

 7.0693, 9.5658,
2.4750

347.9720,

 3.5522, 5.1121,

392.9590, 301.3179

0.8268

409.6890,
460.9426, 360.3010

■ 1.4520, 2.3132,
0.0000

■ 0.2929, 0.7807,
0.0000

■ 78.3880, 92.5672,
55.8553

■ 78.3880, 92.5672,
55.8553

■ 74.0084, 90.5783,
43.5047

■ 83.3180, 94.7849,
70.7184

■ 70.1508, 88.8065,
33.5236

■ 88.8224, 97.2409,
88.2186

■ 66.7858, 87.2402,
25.7605

94.9249, 99.9447,
108.4766

■ 63.8804, 85.8659,
20.0449

95.0500, 100.0000,
108.9000

■ 61.3966, 84.6684,
16.1815

■ 59.2895, 83.6296,
13.9371

■ 57.5180, 82.7366,
12.9383

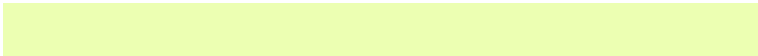
Harmonies

Analogous

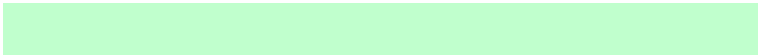
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7828, 92.5672, 51.2419



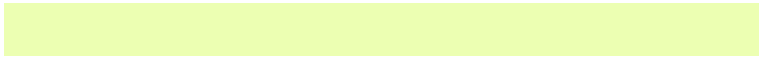
78.3880, 92.5672, 55.8553



71.1303, 92.5672, 71.6579

Triad

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



78.3880, 92.5672, 55.8553



77.1151, 92.5672, 161.8623



111.0638, 92.5672, 103.0928

Complementary

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



78.3880, 92.5672, 55.8553



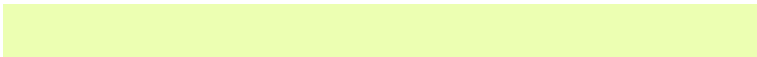
56.9974, 50.9324, 101.4346

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.



107.3056, 92.5672, 136.9086



78.3880, 92.5672, 55.8553



87.1867, 92.5672, 174.9839

Square

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



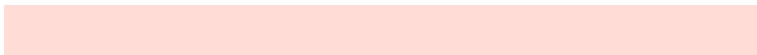
78.3880, 92.5672, 55.8553



70.4400, 92.5672, 132.1104



98.3293, 92.5672, 165.0169



108.2192, 92.5672, 74.8577

Rectangle

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



78.3880, 92.5672, 55.8553



68.7346, 92.5672, 88.4778



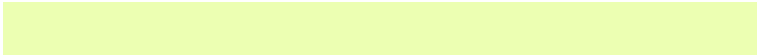
98.3293, 92.5672, 165.0169



110.5246, 92.5672, 114.1944

Sweetspot

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



78.3884, 92.5674, 55.8566



89.5198, 97.5508, 90.4922



69.0090, 63.9402, 50.8254



18.9794, 20.7992, 18.7777



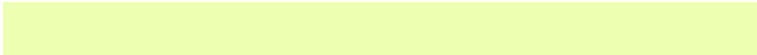
0.0000, 0.0000, 0.0000



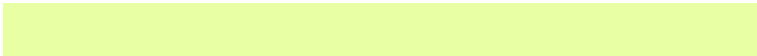
20.3446, 21.4041, 23.3091

Same Dimension

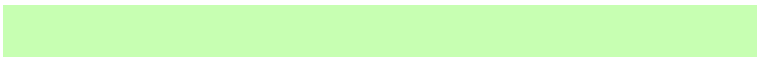
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3884, 92.5674, 55.8566



75.7806, 91.3856, 48.3895



67.2262, 86.8131, 55.3342



19.0977, 20.8518, 19.1626



30.1972, 43.3053, 6.7672



3.0392, 4.2675, 0.6635

Inverse Universe

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



56.9974, 50.9324, 101.4346



51.3965, 43.9060, 100.3736



68.0562, 56.6335, 101.9521



17.4228, 17.5942, 22.7277



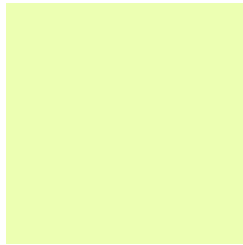
10.6127, 4.3815, 49.7210



1.1274, 0.4751, 4.8456

Previews

White Background



This preview shows how the XYZ color 78.3880, 92.5672, 55.8553 looks on a white background.

Color Contrast Check

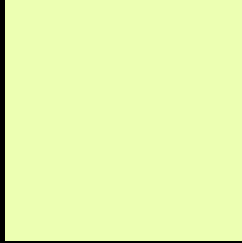
Large Text (above 18pt) WCAG AA × Fail

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 78.3880, 92.5672, 55.8553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

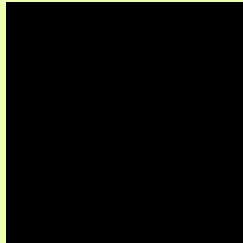
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.3880, 92.5672, 55.8553

Background



This preview shows how black text looks on a background with the XYZ color 78.3880, 92.5672, 55.8553.

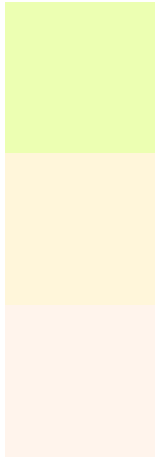


This preview shows how white text looks on a background with the XYZ color 78.3880, 92.5672,

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

78.3880, 92.5672, 55.8553

Protanopia

86.8507, 92.2335, 79.5550

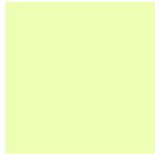
Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

89.0602, 92.2990, 107.7292

Trichromacy



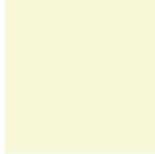
Original Color

78.3880, 92.5672, 55.8553



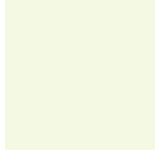
Protanomaly

83.3666, 92.0196, 69.8676



Deuteranomaly

84.5445, 91.9976, 77.5913



Tritanomaly

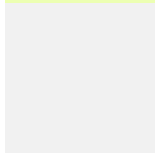
84.7030, 92.3521, 86.0345

Monochromacy



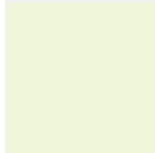
Original Color

78.3880, 92.5672, 55.8553



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.2073, 89.3242, 79.2909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3880, 92.5672, 55.8553 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, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 178)  
}
```

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, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 78.3880, 92.5672, 55.8553 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, 255, 178) }
```


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

```
.border{ border-color:rgb(236, 255, 178) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3880, 92.5672, 55.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 178) }
```

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

```
.background{ background-color: rgb(236,  
255, 178) }
```

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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