

Converting Colors

XYZ(78.6887, 92.4403, 57.6837)

Have a look what the booklet for
XYZ(78.6887, 92.4403, 57.6837)
contains.

XYZ(78.4774, 92.0939, 57.8957)	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(78.4774, 92.0939,
57.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFEB6
RGB	236, 254, 182
RGB Percent	93%, 100%, 71%
CMY	0.0745, 0.0039, 0.2863
CMYK	0.07, 0.00, 0.28, 0.00
HSL	75°, 97%, 85%
HSV	75°, 28%, 100%
XYZ	78.4774, 92.0939, 57.8957
YIQ	240.4100, 12.3840, -26.2080

Conversions

Conversions Part 2

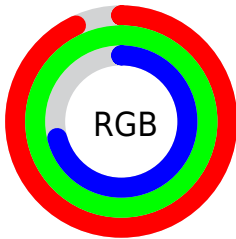
Format	Color
RYB	182, 254, 200
Decimal	15531702
CIELab	96.86, -17.39, 32.56
CIELCh	97, 36.908, 118.108
Yxy	92.0939, 0.3435, 0.4031
Android (android.graphics.Color)	4293721782 (0xFFECEFEB6)
YUV	240.4100, -28.7961, -3.8676
Hunter-Lab	95.9656, -21.9685, 31.4064

Details

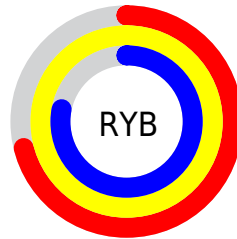
The XYZ color **78.4774, 92.0939, 57.8957** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.4404, 52.8935, 100.9004**, and the grayscale version is **83.3597, 87.7009, 95.5063**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **42.4529, 51.0747, 28.0430** is the 20% darker color. If you saturate the color by 10%, you get **74.0161, 90.0732, 45.2052**, and if you desaturate by 10%, it is **83.4946, 94.3519, 73.1013**.

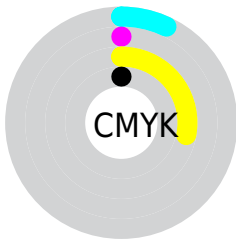
Distribution



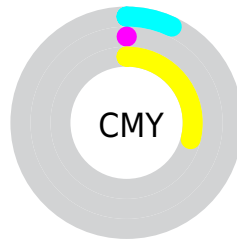
- Red (93%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4774, 92.0939, 57.8957 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 78.4774, 92.0939, 57.8957 by changing the saturation by 10% instead.


 78.4774, 92.0939,
57.8957

 78.4774, 92.0939,
57.8957


478.6017,
534.8189, 434.3846

 58.7704, 69.7186,
41.3107


 130.1847,
150.2435, 103.2842

 42.6740, 51.2972,
28.2404


162.9157,
186.7867, 132.9248

 29.8228, 36.4452,
18.2663


200.7187,
228.8212, 167.7543

 19.8515, 24.7782,
10.9699

243.9591,
276.7316, 208.1913

 12.3948, 15.9119,
5.9327

293.0022,
330.9021, 254.6542

 7.0873, 9.4618,
2.7361

348.2135,

 3.5635, 5.0436,

391.7173, 307.5617

0.9615

409.9582,
459.5614, 367.3323

■ 1.4583, 2.2729,
0.0000

■ 0.2972, 0.7593,
0.0000

■ 78.4774, 92.0939,
57.8957

■ 78.4774, 92.0939,
57.8957

■ 74.0161, 90.0732,
45.2052

■ 83.4946, 94.3519,
73.1013

■ 70.0771, 88.2669,
34.8881

■ 89.0852, 96.8449,
90.9415

■ 66.6339, 86.6673,
26.7979

94.7338, 99.3675,
108.7946

■ 63.6541, 85.2615,
20.7693

■ 61.1014, 84.0349,
16.6143

■ 58.9326, 82.9700,
14.1103

■ 57.0881, 82.0429,
12.9476

■ 56.8011, 81.8976,
12.8141

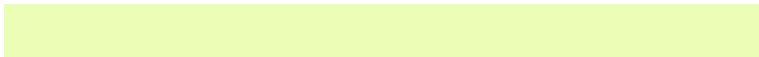
Harmonies

Analogous

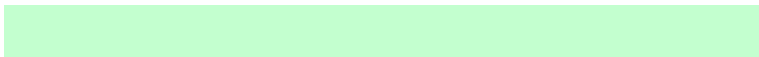
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1919, 92.0939, 53.3743



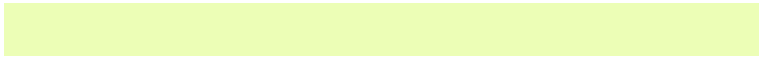
78.4774, 92.0939, 57.8957



71.6829, 92.0939, 73.0490

Triad

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



78.4774, 92.0939, 57.8957



77.4228, 92.0939, 156.9412



108.9932, 92.0939, 102.1703

Complementary

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



78.4774, 92.0939, 57.8957



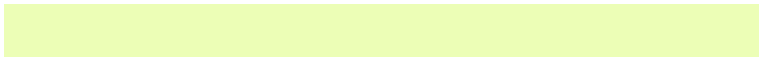
58.4404, 52.8935, 100.9004

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.



105.5615, 92.0939, 133.5420



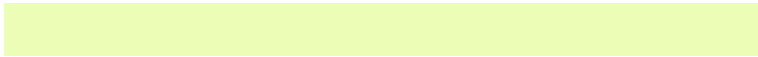
78.4774, 92.0939, 57.8957



86.8763, 92.0939, 168.7970

Square

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



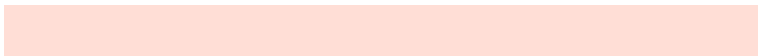
78.4774, 92.0939, 57.8957



71.1086, 92.0939, 129.6310



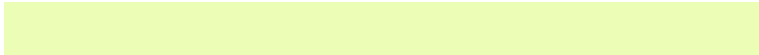
97.2586, 92.0939, 159.4945



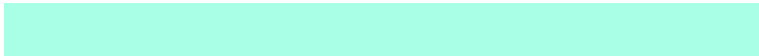
106.3085, 92.0939, 75.7228

Rectangle

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



78.4774, 92.0939, 57.8957



69.4482, 92.0939, 88.9701



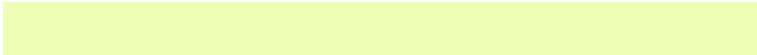
97.2586, 92.0939, 159.4945



108.5116, 92.0939, 112.4983

Sweetspot

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



78.4798, 92.0980, 57.8977



89.4926, 97.5368, 90.4909



69.9741, 65.7596, 53.2621



18.9727, 20.7958, 18.7774



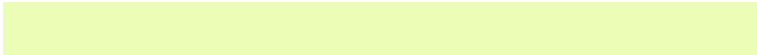
0.0000, 0.0000, 0.0000



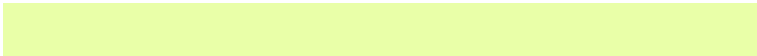
20.3446, 21.4041, 23.3091

Same Dimension

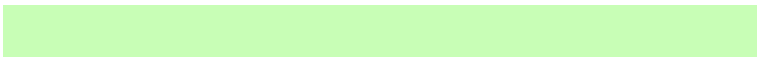
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4798, 92.0980, 57.8977



76.5645, 91.7358, 50.8639



67.7078, 86.5448, 57.3935



19.0915, 20.8486, 19.1623



30.0868, 43.2484, 6.7620



3.0292, 4.2624, 0.6631

Inverse Universe

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



58.4404, 52.8935, 100.9004



53.3385, 46.2808, 100.7296



69.2126, 58.4468, 101.4045



17.4285, 17.5971, 22.7280



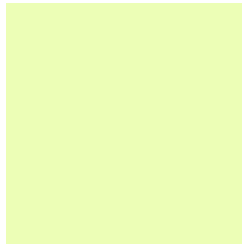
10.6422, 4.3967, 49.7223



1.1310, 0.4770, 4.8457

Previews

White Background



This preview shows how the XYZ color 78.4774, 92.0939, 57.8957 looks on a white background.

Color Contrast Check

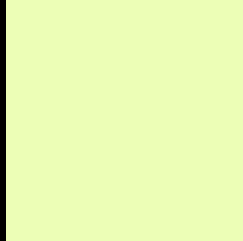
Large Text (above 18pt) WCAG AA × Fail

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 78.4774, 92.0939, 57.8957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

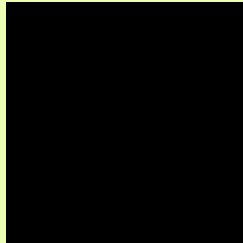
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

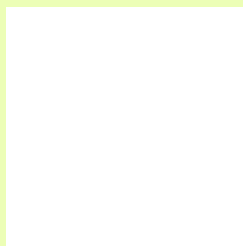
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4774, 92.0939, 57.8957

Background



This preview shows how black text looks on a background with the XYZ color 78.4774, 92.0939, 57.8957.

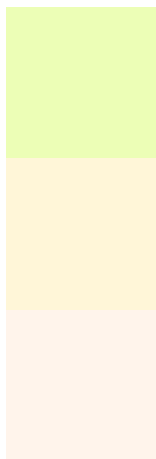


This preview shows how white text looks on a background with the XYZ color 78.4774, 92.0939,

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

78.4774, 92.0939, 57.8957

Protanopia

86.5904, 92.1294, 78.1847

Deuteranopia

88.5861, 91.9595, 91.6782

Tritanopia

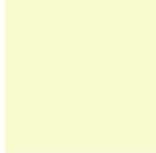
88.7084, 92.1176, 107.7128

Trichromacy



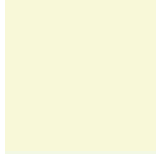
Original Color

78.4774, 92.0939, 57.8957



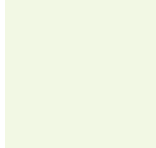
Protanomaly

83.4862, 92.0675, 70.4973



Deuteranomaly

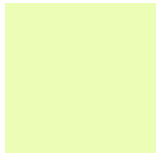
84.6735, 92.0491, 78.2702



Tritanomaly

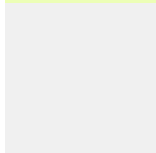
84.1889, 91.6135, 86.6447

Monochromacy



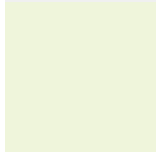
Original Color

78.4774, 92.0939, 57.8957



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.0352, 88.7700, 79.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4774, 92.0939, 57.8957 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, 254, 182)` looks like.

```
.text, #text, p{  
    color:rgb(236, 254, 182)  
}
```

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, 254, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 254, 182) }
```

Border

The CSS property to change the border of an element to XYZ 78.4774, 92.0939, 57.8957 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, 254, 182) }
```


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

```
.border{ border-color:rgb(236, 254, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 254, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 254, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 254, 182);  
box-shadow:4px 4px 4px 4px rgb(236, 254,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4774, 92.0939, 57.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 254, 182) }
```

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

```
.background{ background-color: rgb(236,  
254, 182) }
```

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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