

Converting Colors

XYZ(81.9604, 100.0000,
63.6394)

Have a look what the booklet for
XYZ(81.9604, 100.0000, 63.6394)
contains.

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Color

**XYZ(78.0093, 92.2266,
62.4052)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFBE
RGB	231, 255, 190
RGB Percent	91%, 100%, 75%
CMY	0.0941, 0.0000, 0.2549
CMYK	0.09, 0.00, 0.25, 0.00
HSL	82°, 100%, 87%
HSV	82°, 25%, 100%
XYZ	78.0093, 92.2266, 62.4052
YIQ	240.4140, 6.5610, -25.3030

Conversions

Conversions Part 2

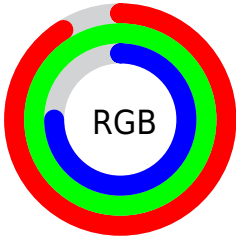
Format	Color
RYB	190, 255, 214
Decimal	15204286
CIELab	96.91, -18.56, 28.55
CIELCh	97, 34.048, 123.026
Yxy	92.2266, 0.3353, 0.3964
Android (android.graphics.Color)	4293394366 (0xFFE7FFBE)
YUV	240.4140, -24.8541, -8.2561
Hunter-Lab	96.0347, -23.0645, 28.6965

Details

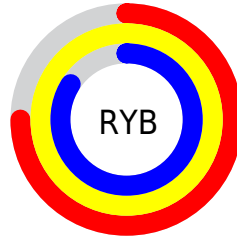
The XYZ color **78.0093, 92.2266, 62.4052** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.1959, 58.3443, 102.4858**, and the grayscale version is **83.3334, 87.6732, 95.4761**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **42.3172, 51.2797, 30.9602** is the 20% darker color. If you saturate the color by 10%, you get **72.5037, 89.6827, 48.8494**, and if you desaturate by 10%, it is **84.1671, 95.0504, 78.5394**.

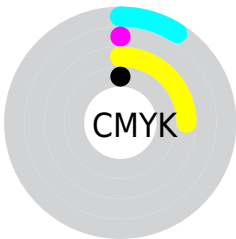
Distribution



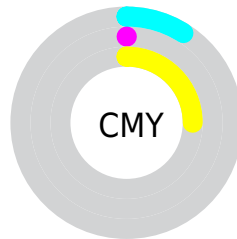
- Red (91%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (84%)



- Cyan (9%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0093, 92.2266, 62.4052 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 78.0093, 92.2266, 62.4052 by changing the saturation by 10% instead.


 78.0093, 92.2266,
62.4052

 78.0093, 92.2266,
62.4052

477.0377,
535.2476, 451.4560

 58.3844, 69.8289,
44.9223


 129.5285,
150.4274, 109.8882

 42.3622, 51.3870,
31.0537


162.1536,
186.9993, 140.7254

 29.5774, 36.5167,
20.3809


199.8428,
229.0646, 176.8511

 19.6645, 24.8335,
12.4854

242.9614,
277.0079, 218.6838

 12.2583, 15.9531,
6.9487

291.8749,
331.2134, 266.6421

 6.9933, 9.4909,
3.3520

346.9485,

 3.5042, 5.0628,

392.0656, 321.1446

1.2771

408.5477,
459.9489, 382.6097

■ 1.4257, 2.2841,
0.0429

■ 0.2744, 0.7653,
0.0000

■ 78.0093, 92.2266,
62.4052

■ 78.0093, 92.2266,
62.4052

■ 72.5037, 89.6827,
48.8494

■ 84.1671, 95.0504,
78.5394

■ 67.6208, 87.4065,
37.7341

■ 91.0016, 98.1639,
97.3722

■ 63.3309, 85.3857,
28.9147

95.0500, 100.0000,
108.9000

■ 59.6005, 83.6067,
22.2295

■ 56.3923, 82.0543,
17.4959

■ 53.6631, 80.7108,
14.5009

■ 51.3598, 79.5547,
12.9807

■ 50.4270, 79.0811,
12.6064

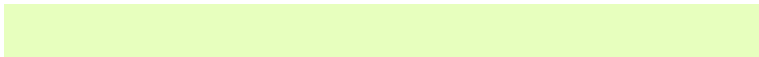
Harmonies

Analogous

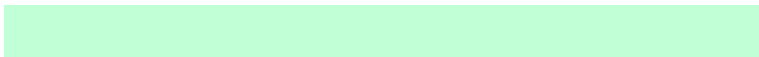
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6911, 92.2266, 56.4587



78.0093, 92.2266, 62.4052



72.2639, 92.2266, 78.3662

Triad

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



78.0093, 92.2266, 62.4052



79.5759, 92.2266, 155.0744



107.3434, 92.2266, 97.6634

Complementary

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



78.0093, 92.2266, 62.4052



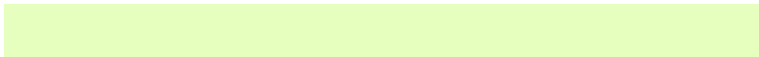
64.1959, 58.3443, 102.4858

Split Complementary

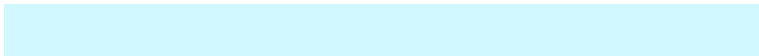
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0978, 92.2266, 126.2637



78.0093, 92.2266, 62.4052



88.6333, 92.2266, 162.7576

Square

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



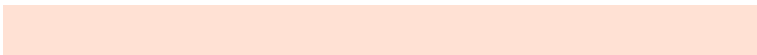
78.0093, 92.2266, 62.4052



73.1211, 92.2266, 131.9591



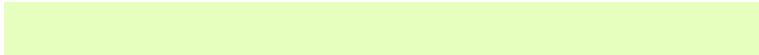
98.0725, 92.2266, 151.3881



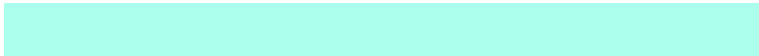
104.0056, 92.2266, 74.3534

Rectangle

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



78.0093, 92.2266, 62.4052



70.6363, 92.2266, 94.1566



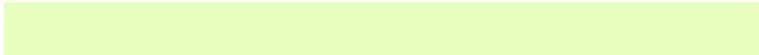
98.0725, 92.2266, 151.3881



107.2170, 92.2266, 106.9533

Sweetspot

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



78.0098, 92.2269, 62.4066



89.2206, 97.3544, 92.3835



74.5393, 72.9874, 58.8759



18.8729, 20.7359, 19.1521



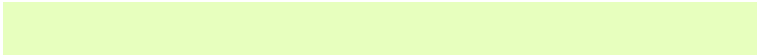
0.0000, 0.0000, 0.0000



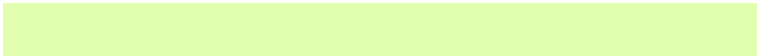
20.3446, 21.4041, 23.3091

Same Dimension

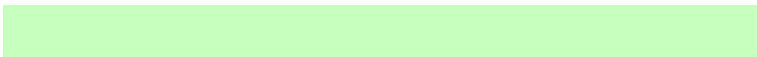
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0098, 92.2269, 62.4066



74.8967, 90.7910, 54.6253



68.5199, 87.3347, 61.9624



18.8729, 20.7359, 19.1521



26.5194, 41.4093, 6.5951



2.7026, 4.0940, 0.6478

Inverse Universe

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



64.1959, 58.3443, 102.4858



58.7804, 51.2498, 101.4019



74.5871, 63.7011, 102.9721



17.6364, 17.7043, 22.7377



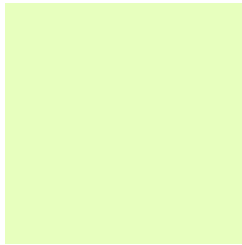
12.0019, 5.0977, 49.7860



1.2841, 0.5559, 4.8529

Previews

White Background



This preview shows how the XYZ color 78.0093, 92.2266, 62.4052 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 78.0093, 92.2266, 62.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

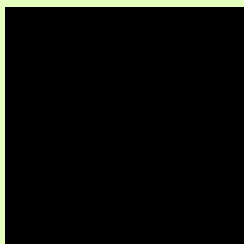
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

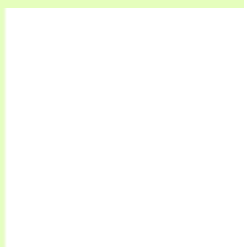
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0093, 92.2266, 62.4052

Background



This preview shows how black text looks on a background with the XYZ color 78.0093, 92.2266, 62.4052.

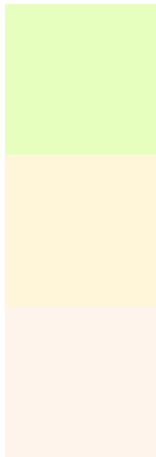


This preview shows how white text looks on a background with the XYZ color 78.0093, 92.2266,

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

78.0093, 92.2266, 62.4052

Protanopia

86.7202, 92.1813, 78.8678

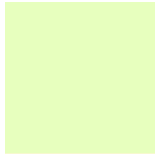
Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

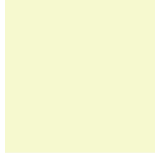
88.3140, 92.3646, 107.7813

Trichromacy



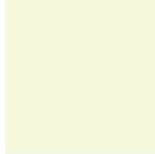
Original Color

78.0093, 92.2266, 62.4052



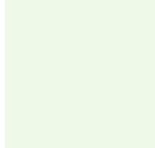
Protanomaly

83.1442, 91.8492, 72.3780



Deuteranomaly

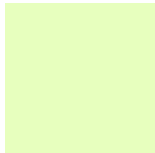
84.3596, 91.8421, 80.2989



Tritanomaly

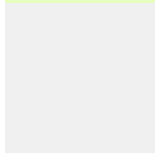
83.8961, 91.8716, 88.9125

Monochromacy



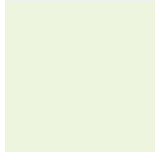
Original Color

78.0093, 92.2266, 62.4052



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7623, 88.5833, 81.9489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0093, 92.2266, 62.4052 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(231, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 190)  
}
```

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(231, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 78.0093, 92.2266, 62.4052 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(231, 255, 190) }
```


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

```
.border{ border-color:rgb(231, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0093, 92.2266, 62.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 190) }
```

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

```
.background{ background-color: rgb(231,  
255, 190) }
```

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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