

Converting Colors

XYZ(78.6386, 90.4018, 61.0179)

Have a look what the booklet for
XYZ(78.6386, 90.4018, 61.0179)
contains.

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Color

**XYZ(78.5226, 90.1792,
60.8447)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFABC
RGB	238, 250, 188
RGB Percent	93%, 98%, 74%
CMY	0.0667, 0.0196, 0.2627
CMYK	0.05, 0.00, 0.25, 0.02
HSL	72°, 86%, 86%
HSV	72°, 25%, 98%
XYZ	78.5226, 90.1792, 60.8447
YIQ	239.3440, 12.7500, -21.8260

Conversions

Conversions Part 2

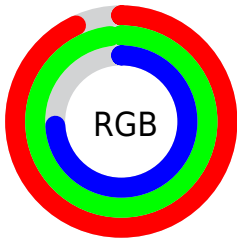
Format	Color
RYB	188, 250, 200
Decimal	15661756
CIELab	96.07, -13.90, 28.49
CIELCh	96, 31.703, 116.012
Yxy	90.1792, 0.3421, 0.3929
Android (android.graphics.Color)	4293851836 (0xFFEEFABC)
YUV	239.3440, -25.3126, -1.1787
Hunter-Lab	94.9627, -18.5870, 28.4855

Details

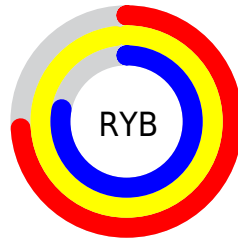
The XYZ color **78.5226, 90.1792, 60.8447** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.0615, 55.1504, 97.9797**, and the grayscale version is **82.4983, 86.7946, 94.5194**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **42.8863, 50.2499, 29.9931** is the 20% darker color. If you saturate the color by 10%, you get **74.4550, 88.3700, 47.7840**, and if you desaturate by 10%, it is **83.1055, 92.2057, 76.3701**.

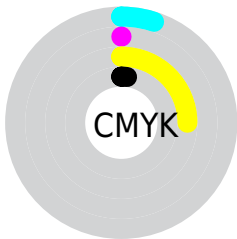
Distribution



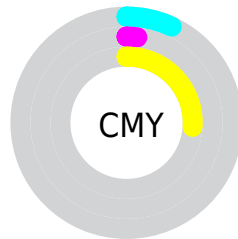
- Red (93%)
- Green (98%)
- Blue (74%)



- Red (74%)
- Yellow (98%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5226, 90.1792, 60.8447 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 78.5226, 90.1792, 60.8447 by changing the saturation by 10% instead.

78.5226, 90.1792,
60.8447

78.5226, 90.1792,
60.8447

478.7525,
528.6136, 445.5951

58.8076, 68.1293,
43.6701

130.2480,
147.5873, 107.6094

42.7041, 50.0029,
30.0760

162.9892,
183.7142, 138.0365

29.8465, 35.4157,
19.6437

200.8032,
225.3023, 173.7183

19.8696, 23.9833,
11.9548

244.0554,
272.7359, 215.0732

12.4080, 15.3212,
6.5908

293.1110,
326.3995, 262.5198

7.0964, 9.0451,
3.1330

348.3355,

3.5693, 4.7706,

386.6774, 316.4767

1.1629

410.0942,
453.9539, 377.3622

■ 1.4615, 2.1133,
0.0000

■ 0.2994, 0.6721,
0.0000

■ 78.5226, 90.1792,
60.8447

■ 78.5226, 90.1792,
60.8447

■ 74.4550, 88.3700,
47.7840

■ 83.1055, 92.2057,
76.3701

■ 70.8712, 86.7562,
37.0555

■ 88.2194, 94.4467,
94.4720

■ 67.7472, 85.3313,
28.5229

■ 92.5720, 96.3882,
108.3335

■ 65.0534, 84.0835,
22.0335

■ 93.4775, 96.8550,
108.3758

■ 62.7569, 82.9995,
17.4154

■ 60.8194, 82.0638,
14.4680

■ 59.1935, 81.2577,
12.9452

■ 58.4361, 80.8756,
12.5307

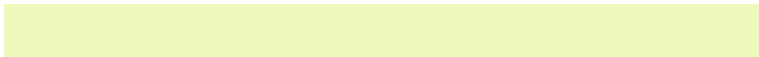
Harmonies

Analogous

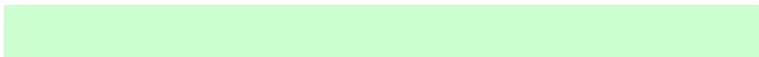
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8916, 90.1792, 57.4370



78.5226, 90.1792, 60.8447



72.4677, 90.1792, 73.5743

Triad

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



78.5226, 90.1792, 60.8447



76.6207, 90.1792, 143.9624



103.6737, 90.1792, 101.5896

Complementary

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



78.5226, 90.1792, 60.8447



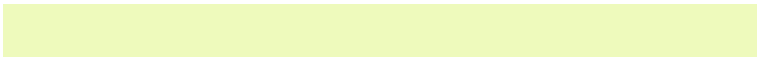
59.0615, 55.1504, 97.9797

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.



100.4804, 90.1792, 127.7614



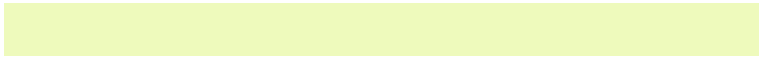
78.5226, 90.1792, 60.8447



84.5443, 90.1792, 154.7254

Square

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



78.5226, 90.1792, 60.8447



71.4233, 90.1792, 120.9475



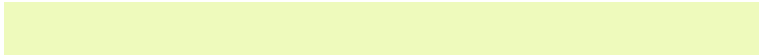
93.3287, 90.1792, 148.3441



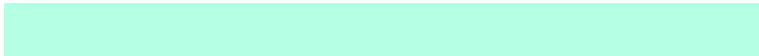
101.7909, 90.1792, 78.4825

Rectangle

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



78.5226, 90.1792, 60.8447



70.3580, 90.1792, 86.9646



93.3287, 90.1792, 148.3441



103.1528, 90.1792, 110.3417

Sweetspot

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



78.5249, 90.1832, 60.8466



91.0478, 98.2536, 94.4018



69.0125, 64.9732, 56.4820



19.4170, 20.9992, 19.9521



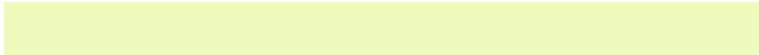
0.0000, 0.0000, 0.0000



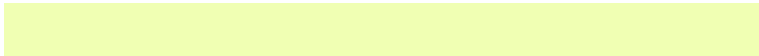
20.3446, 21.4041, 23.3091

Same Dimension

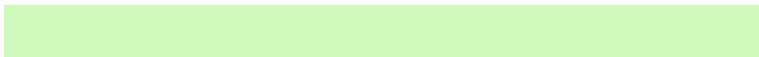
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5249, 90.1832, 60.8466



79.8451, 93.3126, 56.1860



69.1753, 85.3633, 60.4091



18.3787, 20.0110, 18.3562



31.1125, 42.9574, 6.6518



2.9630, 4.0206, 0.6199

Inverse Universe

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



59.0615, 55.1504, 97.9797



56.1421, 50.6387, 101.4230



67.9925, 59.7545, 98.3977



16.5967, 16.8047, 21.7542



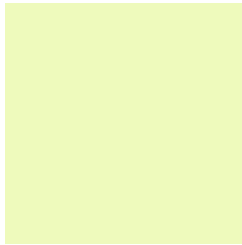
9.8992, 4.0459, 48.2327



0.9972, 0.4162, 4.4709

Previews

White Background



This preview shows how the XYZ color 78.5226, 90.1792, 60.8447 looks on a white background.

Color Contrast Check

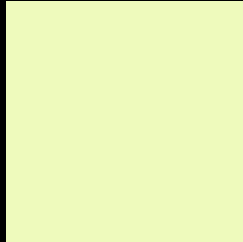
Large Text (above 18pt) WCAG AA × Fail

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 78.5226, 90.1792, 60.8447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

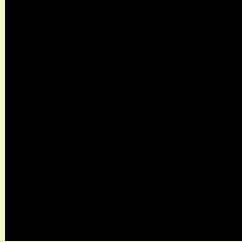
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

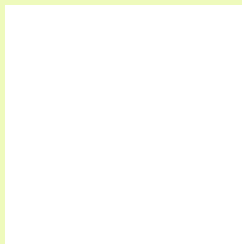
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5226, 90.1792, 60.8447

Background



This preview shows how black text looks on a background with the XYZ color 78.5226, 90.1792, 60.8447.

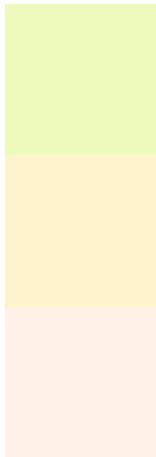


This preview shows how white text looks on a background with the XYZ color 78.5226, 90.1792,

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

78.5226, 90.1792, 60.8447

Protanopia

84.4312, 89.8174, 71.2790

Deuteranopia

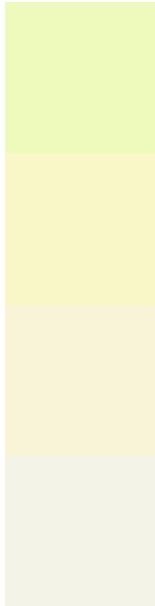
87.1191, 89.9401, 88.3698



Tritanopia

87.5113, 89.7234, 107.3138

Trichromacy



Original Color

78.5226, 90.1792, 60.8447

Protanomaly

82.3315, 90.1748, 67.0990

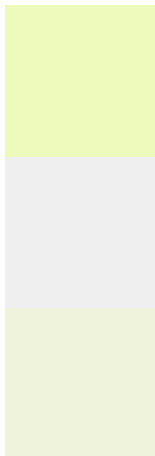
Deuteranomaly

83.6833, 89.7474, 77.2024

Tritanomaly

83.7366, 89.5256, 88.4681

Monochromacy



Original Color

78.5226, 90.1792, 60.8447

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.5655, 87.6192, 80.3761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5226, 90.1792, 60.8447 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(238, 250, 188)` looks like.

```
.text, #text, p{  
    color:rgb(238, 250, 188)  
}
```

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(238, 250, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 250, 188) }
```

Border

The CSS property to change the border of an element to XYZ 78.5226, 90.1792, 60.8447 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(238, 250, 188) }
```


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

```
.border{ border-color:rgb(238, 250, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 250, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 250, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 250, 188);  
box-shadow:4px 4px 4px 4px rgb(238, 250,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5226, 90.1792, 60.8447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 250, 188) }
```

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

```
.background{ background-color: rgb(238,  
250, 188) }
```

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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