

Converting Colors

XYZ(78.5530, 92.5860, 58.8586)

Have a look what the booklet for
XYZ(78.5530, 92.5860, 58.8586)
contains.

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Color

**XYZ(78.6727, 92.6429,
59.0828)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFB8
RGB	235, 255, 184
RGB Percent	92%, 100%, 72%
CMY	0.0784, 0.0000, 0.2784
CMYK	0.08, 0.00, 0.28, 0.00
HSL	77°, 100%, 86%
HSV	77°, 28%, 100%
XYZ	78.6727, 92.6429, 59.0828
YIQ	240.9260, 10.8710, -26.3210

Conversions

Conversions Part 2

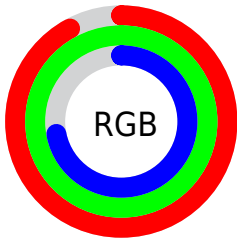
Format	Color
RYB	184, 255, 204
Decimal	15466424
CIELab	97.08, -17.96, 31.84
CIElCh	97, 36.559, 119.431
Yxy	92.6429, 0.3415, 0.4021
Android (android.graphics.Color)	4293656504 (0xFFEBFFB8)
YUV	240.9260, -28.0645, -5.1971
Hunter-Lab	96.2512, -22.5393, 30.9813

Details

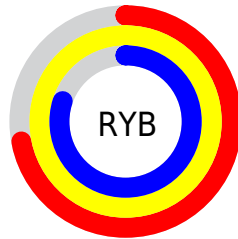
The XYZ color **78.6727, 92.6429, 59.0828** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.0934, 54.3396, 101.9291**, and the grayscale version is **83.7580, 88.1200, 95.9626**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **42.8138, 51.5836, 28.8192** is the 20% darker color. If you saturate the color by 10%, you get **73.9119, 90.4701, 46.1419**, and if you desaturate by 10%, it is **84.0120, 95.0581, 74.5684**.

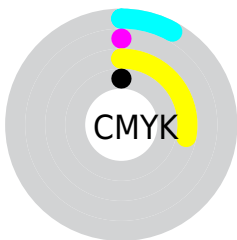
Distribution



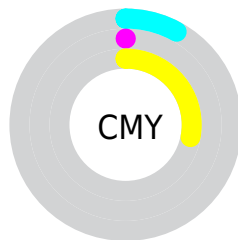
- Red (92%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (80%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6727, 92.6429, 59.0828 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 78.6727, 92.6429, 59.0828 by changing the saturation by 10% instead.


 78.6727, 92.6429,
59.0828

 78.6727, 92.6429,
59.0828


479.2533,
536.5911, 438.9191

 58.9314, 70.1747,
42.2593

 130.4583,
151.0041, 105.0283

 42.8041, 51.6690,
28.9773


163.2334,
187.6660, 134.9874

 29.9253, 36.7413,
18.8182


201.0839,
229.8278, 170.1621

 19.9297, 25.0073,
11.3635

244.3750,
277.8741, 210.9710

 12.4519, 16.0825,
6.1947

293.4721,
332.1892, 257.8326

 7.1266, 9.5825,
2.8931

348.7407,

 3.5884, 5.1230,

393.1574, 311.1655

1.0403

410.5459,
461.1633, 371.3881

■ 1.4720, 2.3196,
0.0000

■ 0.3067, 0.7841,
0.0000

■ 78.6727, 92.6429,
59.0828

■ 78.6727, 92.6429,
59.0828

■ 73.9119, 90.4701,
46.1419

■ 84.0120, 95.0581,
74.5684

■ 69.7013, 88.5283,
35.6052

■ 89.9536, 97.7255,
92.7210

■ 66.0120, 86.8058,
27.3249

95.0500, 100.0000,
108.9000

■ 62.8111, 85.2894,
21.1351

■ 60.0618, 83.9642,
16.8472

■ 57.7207, 82.8126,
14.2387

■ 55.7299, 81.8114,
13.0119

■ 55.3285, 81.6079,
12.8358

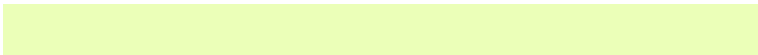
Harmonies

Analogous

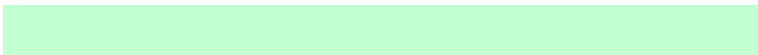
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2511, 92.6429, 54.1049



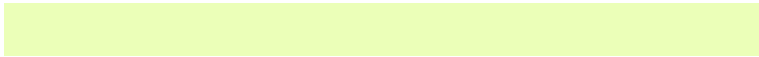
78.6727, 92.6429, 59.0828



72.0724, 92.6429, 74.6784

Triad

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



78.6727, 92.6429, 59.0828



78.3572, 92.6429, 158.0434



109.3900, 92.6429, 101.4365

Complementary

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



78.6727, 92.6429, 59.0828



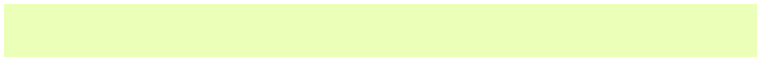
60.0934, 54.3396, 101.9291

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.



106.2397, 92.6429, 132.5704



78.6727, 92.6429, 59.0828



87.8578, 92.6429, 168.9184

Square

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



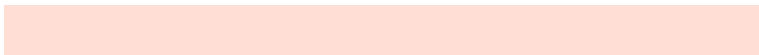
78.6727, 92.6429, 59.0828



71.9005, 92.6429, 131.4037



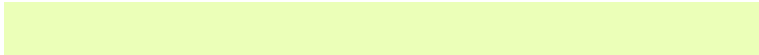
98.1536, 92.6429, 158.8042



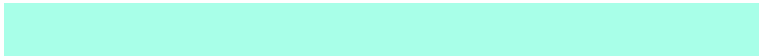
106.4626, 92.6429, 75.4794

Rectangle

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



78.6727, 92.6429, 59.0828



69.9777, 92.6429, 90.8186



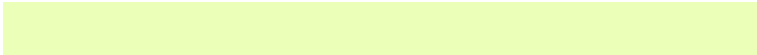
98.1536, 92.6429, 158.8042



109.0032, 92.6429, 111.6420

Sweetspot

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



78.6731, 92.6430, 59.0841



89.8550, 97.6814, 92.4131



71.2326, 67.4020, 54.6043



19.0332, 20.8185, 19.1596



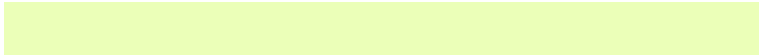
0.0000, 0.0000, 0.0000



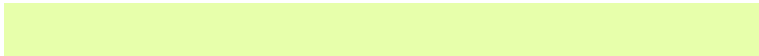
20.3446, 21.4041, 23.3091

Same Dimension

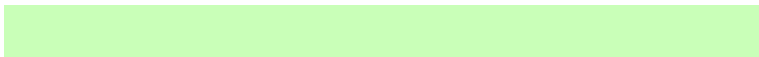
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6731, 92.6430, 59.0841



76.1469, 91.4927, 52.0996



68.3835, 87.3386, 58.6026



19.0332, 20.8185, 19.1596



29.0637, 42.7210, 6.7142



2.9367, 4.2147, 0.6587

Inverse Universe

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



60.0934, 54.3396, 101.9291



54.9753, 47.8320, 100.9427



70.5968, 59.7543, 102.4206



17.4834, 17.6254, 22.7305



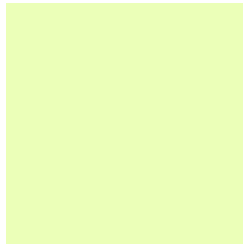
10.9461, 4.5534, 49.7366



1.1670, 0.4955, 4.8474

Previews

White Background



This preview shows how the XYZ color 78.6727, 92.6429, 59.0828 looks on a white background.

Color Contrast Check

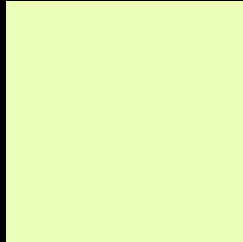
Large Text (above 18pt) WCAG AA × Fail

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 78.6727, 92.6429, 59.0828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

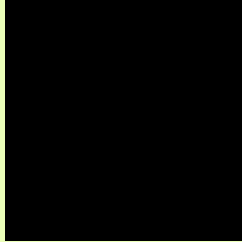
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

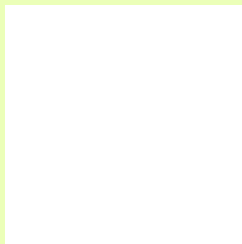
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6727, 92.6429, 59.0828

Background



This preview shows how black text looks on a background with the XYZ color 78.6727, 92.6429, 59.0828.



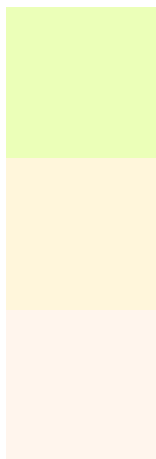
This preview shows how white text looks on a background with the XYZ color 78.6727, 92.6429,

59.0828.

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

78.6727, 92.6429, 59.0828

Protanopia

86.9820, 92.2860, 80.2464

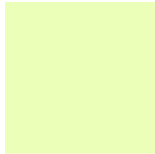
Deuteranopia

89.1785, 92.6792, 93.3094

Tritanopia

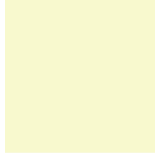
89.0118, 92.7244, 107.8139

Trichromacy



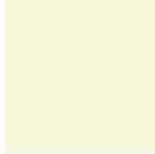
Original Color

78.6727, 92.6429, 59.0828



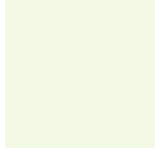
Protanomaly

83.7277, 92.1641, 71.7690



Deuteranomaly

85.2420, 92.7698, 79.7433



Tritanomaly

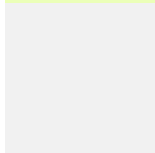
84.6365, 92.2858, 87.4809

Monochromacy



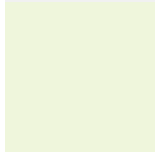
Original Color

78.6727, 92.6429, 59.0828



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4706, 89.4296, 80.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6727, 92.6429, 59.0828 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(235, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 184)  
}
```

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(235, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 78.6727, 92.6429, 59.0828 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(235, 255, 184) }
```


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

```
.border{ border-color:rgb(235, 255, 184) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6727, 92.6429, 59.0828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 184) }
```

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

```
.background{ background-color: rgb(235,  
255, 184) }
```

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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