

Converting Colors

XYZ(113.6863, 163.2148,
71.4903)

Have a look what the booklet for
XYZ(113.6863, 163.2148, 71.4903)
contains.

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Color

**XYZ(78.1212, 92.3464,
59.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFB9
RGB	233, 255, 185
RGB Percent	91%, 100%, 73%
CMY	0.0863, 0.0000, 0.2745
CMYK	0.09, 0.00, 0.27, 0.00
HSL	79°, 100%, 86%
HSV	79°, 27%, 100%
XYZ	78.1212, 92.3464, 59.6062
YIQ	240.4420, 9.3580, -26.4340

Conversions

Conversions Part 2

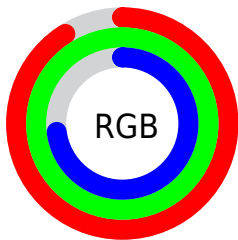
Format	Color
RYB	185, 255, 207
Decimal	15335353
CIELab	96.96, -18.54, 31.15
CIELCh	97, 36.254, 120.763
Yxy	92.3464, 0.3395, 0.4014
Android (android.graphics.Color)	4293525433 (0xFFE9FFB9)
YUV	240.4420, -27.3329, -6.5266
Hunter-Lab	96.0970, -23.0599, 30.4921

Details

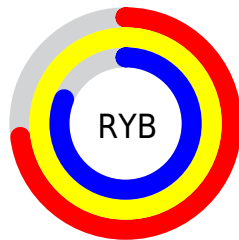
The XYZ color **78.1212, 92.3464, 59.6062** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.1322, 55.1846, 102.0374**, and the grayscale version is **83.3726, 87.7144, 95.5210**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **42.4223, 51.3740, 29.1530** is the 20% darker color. If you saturate the color by 10%, you get **73.1087, 90.0460, 46.5573**, and if you desaturate by 10%, it is **83.7363, 94.9016, 75.2060**.

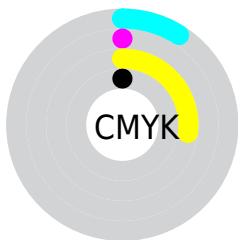
Distribution



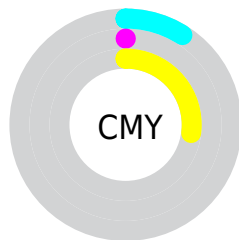
- Red (91%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (81%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1212, 92.3464, 59.6062 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 78.1212, 92.3464, 59.6062 by changing the saturation by 10% instead.


 78.1212, 92.3464,
59.6062

 78.1212, 92.3464,
59.6062


477.4119,
535.6344, 440.9090

 58.4767, 69.9284,
42.6781


 129.6854,
150.5934, 105.7960

 42.4367, 51.4681,
29.3031


162.3358,
187.1912, 135.8947

 29.6360, 36.5813,
19.0627


200.0522,
229.2843, 171.2207

 19.7092, 24.8835,
11.5383

243.2000,
277.2572, 212.1926

 12.2909, 15.9903,
6.3114

292.1445,
331.4943, 259.2288

 7.0157, 9.5173,
2.9635

347.2511,

 3.5183, 5.0801,

392.3799, 312.7479

1.0760

408.8851,
460.2985, 373.1684

■ 1.4334, 2.2943,
0.0000

■ 0.2799, 0.7707,
0.0000

■ 78.1212, 92.3464,
59.6062

■ 78.1212, 92.3464,
59.6062

■ 73.1087, 90.0460,
46.5573

■ 83.7363, 94.9016,
75.2060

■ 68.6701, 87.9887,
35.9194

■ 89.9780, 97.7214,
93.4785

■ 64.7760, 86.1625,
27.5449

95.0500, 100.0000,
108.9000

■ 61.3935, 84.5542,
21.2689

■ 58.4852, 83.1485,
16.9037

■ 56.0076, 81.9279,
14.2284

■ 53.9042, 80.8696,
12.9551

■ 53.4069, 80.6173,
12.7459

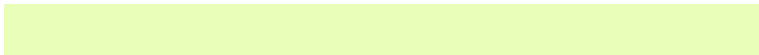
Harmonies

Analogous

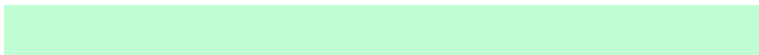
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5116, 92.3464, 54.2060



78.1212, 92.3464, 59.6062



71.7515, 92.3464, 75.5423

Triad

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



78.1212, 92.3464, 59.6062



78.5405, 92.3464, 157.9366



108.8727, 92.3464, 99.8035

Complementary

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



78.1212, 92.3464, 59.6062



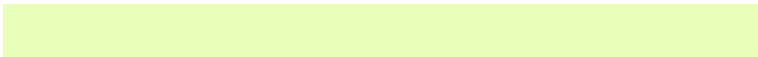
61.1322, 55.1846, 102.0374

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.



106.0166, 92.3464, 130.5435



78.1212, 92.3464, 59.6062



88.0339, 92.3464, 167.7937

Square

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



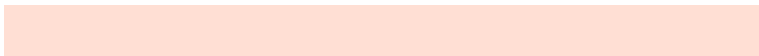
78.1212, 92.3464, 59.6062



71.9801, 92.3464, 132.0913



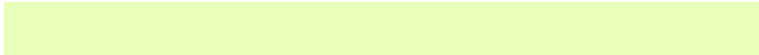
98.1876, 92.3464, 156.9281



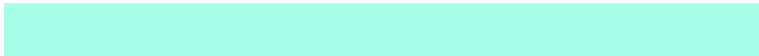
105.7207, 92.3464, 74.4768

Rectangle

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



78.1212, 92.3464, 59.6062



69.8080, 92.3464, 91.8031



98.1876, 92.3464, 156.9281



108.5815, 92.3464, 109.8345

Sweetspot

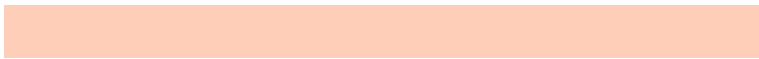
The Sweet Spot groups the original color and five complimentary colors.



78.1216, 92.3466, 59.6075



89.6180, 97.5593, 92.4021



72.0689, 68.9063, 55.4021



18.9733, 20.7877, 19.1568



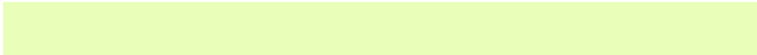
0.0000, 0.0000, 0.0000



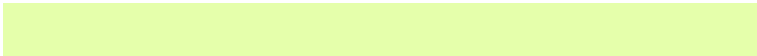
20.3446, 21.4041, 23.3091

Same Dimension

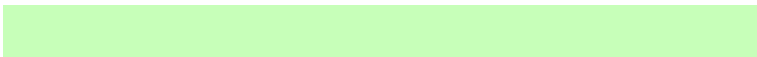
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1216, 92.3466, 59.6075



75.2669, 91.0390, 52.0585



68.0709, 87.1653, 59.1372



18.9733, 20.7877, 19.1568



28.0675, 42.2074, 6.6675



2.8458, 4.1678, 0.6545

Inverse Universe

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



61.1322, 55.1846, 102.0374



55.6885, 48.1997, 100.9761



71.6753, 60.6198, 102.5308



17.5402, 17.6547, 22.7332



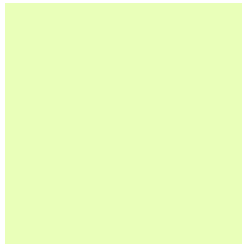
11.3015, 4.7366, 49.7532



1.2075, 0.5164, 4.8493

Previews

White Background



This preview shows how the XYZ color 78.1212, 92.3464, 59.6062 looks on a white background.

Color Contrast Check

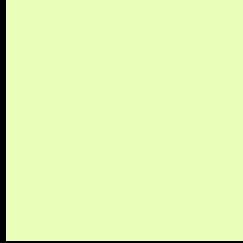
Large Text (above 18pt) WCAG AA × Fail

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 78.1212, 92.3464, 59.6062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

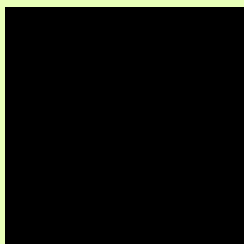
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

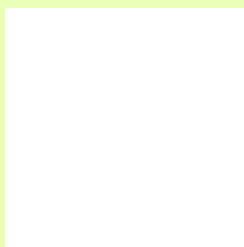
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1212, 92.3464, 59.6062

Background



This preview shows how black text looks on a background with the XYZ color 78.1212, 92.3464, 59.6062.

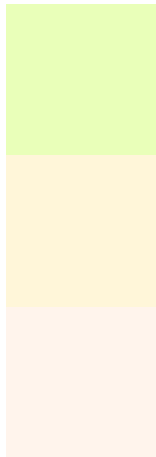


This preview shows how white text looks on a background with the XYZ color 78.1212, 92.3464,

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

78.1212, 92.3464, 59.6062

Protanopia

86.7202, 92.1813, 78.8678

Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

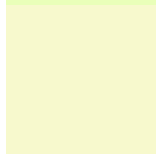
88.3586, 91.9373, 107.6964

Trichromacy



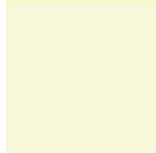
Original Color

78.1212, 92.3464, 59.6062



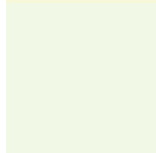
Protanomaly

83.2529, 91.9333, 71.1146



Deuteranomaly

84.4496, 91.9187, 78.9368



Tritanomaly

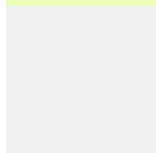
84.4342, 92.1653, 88.2024

Monochromacy



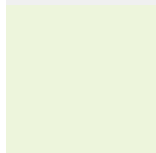
Original Color

78.1212, 92.3464, 59.6062



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.4957, 88.4766, 80.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1212, 92.3464, 59.6062 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(233, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 185)  
}
```

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(233, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 185) }
```

Border

The CSS property to change the border of an element to XYZ 78.1212, 92.3464, 59.6062 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(233, 255, 185) }
```


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

```
.border{ border-color:rgb(233, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1212, 92.3464, 59.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 185) }
```

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

```
.background{ background-color: rgb(233,  
255, 185) }
```

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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