

Converting Colors

XYZ(97.7269, 133.1818,
61.5242)

Have a look what the booklet for
XYZ(97.7269, 133.1818, 61.5242)
contains.

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Color

**XYZ(77.2007, 91.9782,
54.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFB0
RGB	233, 255, 176
RGB Percent	91%, 100%, 69%
CMY	0.0863, 0.0000, 0.3098
CMYK	0.09, 0.00, 0.31, 0.00
HSL	77°, 100%, 85%
HSV	77°, 31%, 100%
XYZ	77.2007, 91.9782, 54.7590
YIQ	239.4160, 12.2470, -29.2330

Conversions

Conversions Part 2

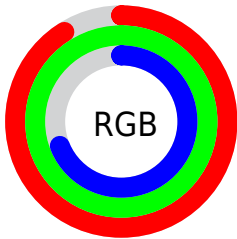
Format	Color
RYB	176, 255, 198
Decimal	15335344
CIELab	96.81, -19.74, 35.45
CIElCh	97, 40.580, 119.111
Yxy	91.9782, 0.3447, 0.4107
Android (android.graphics.Color)	4293525424 (0xFFE9FFB0)
YUV	239.4160, -31.2641, -5.6268
Hunter-Lab	95.9053, -24.1474, 33.2809

Details

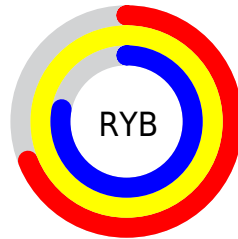
The XYZ color **77.2007, 91.9782, 54.7590** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **56.8652, 50.2778, 101.3152**, and the grayscale version is **82.5970, 86.8985, 94.6324**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **41.6737, 51.0483, 26.3958** is the 20% darker color. If you saturate the color by 10%, you get **72.6379, 89.8906, 42.5890**, and if you desaturate by 10%, it is **82.3316, 94.3038, 69.4320**.

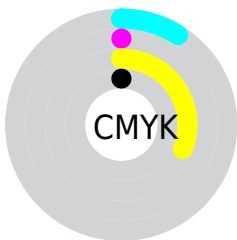
Distribution



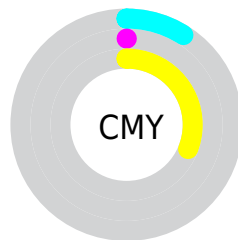
- Red (91%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (78%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2007, 91.9782, 54.7590 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 77.2007, 91.9782, 54.7590 by changing the saturation by 10% instead.

77.2007, 91.9782,
54.7590

77.2007, 91.9782,
54.7590

474.3295,
534.4451, 422.2539

57.7181, 69.6225,
38.8115

128.3941,
150.0832, 98.6554

41.8244, 51.2189,
26.3064

160.8356,
186.6013, 127.4413

29.1544, 36.3828,
16.8252

198.3275,
228.6089, 161.3439

19.3425, 24.7300,
9.9493

241.2350,
276.4906, 200.7815

12.0235, 15.8760,
5.2602

289.9237,
330.6307, 246.1728

6.8320, 9.4365,
2.3393

344.7587,

3.4026, 5.0269,

391.4135, 297.9362

0.7531

406.1055,
459.2235, 356.4904

■ 1.3701, 2.2631,
0.0000

■ 0.2348, 0.7541,
0.0000

■ 77.2007, 91.9782,
54.7590

■ 77.2007, 91.9782,
54.7590

■ 72.6379, 89.8906,
42.5890

■ 82.3316, 94.3038,
69.4320

■ 68.6143, 88.0294,
32.7779

■ 88.0549, 96.8773,
86.7331

■ 65.1001, 86.3824,
25.1731

■ 94.3951, 99.7085,
106.7841

■ 62.0613, 84.9360,
19.6023

■ 95.0500, 100.0000,
108.9000

■ 59.4593, 83.6746,
15.8680

■ 57.2479, 82.5795,
13.7329

■ 55.5238, 81.7086,
12.8449

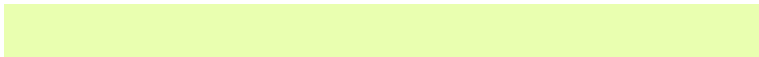
Harmonies

Analogous

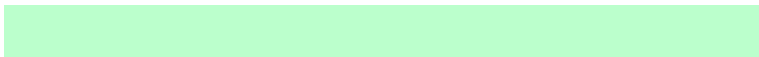
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7626, 91.9782, 49.6379



77.2007, 91.9782, 54.7590



69.9526, 91.9782, 71.2917

Triad

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



77.2007, 91.9782, 54.7590



76.6605, 91.9782, 164.1480



111.1844, 91.9782, 101.1245

Complementary

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



77.2007, 91.9782, 54.7590



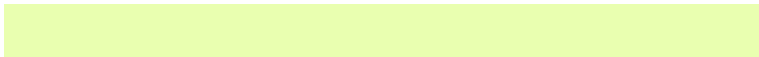
56.8652, 50.2778, 101.3152

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.



107.5829, 91.9782, 135.8993



77.2007, 91.9782, 54.7590



87.0833, 91.9782, 176.8096

Square

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



77.2007, 91.9782, 54.7590



69.6602, 91.9782, 133.8447



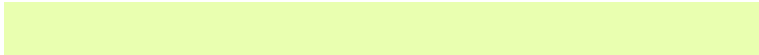
98.5090, 91.9782, 165.5039



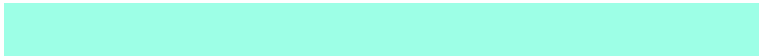
107.9734, 91.9782, 72.6434

Rectangle

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



77.2007, 91.9782, 54.7590



67.6424, 91.9782, 88.7676



98.5090, 91.9782, 165.5039



110.7255, 91.9782, 112.4631

Sweetspot

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



77.2011, 91.9784, 54.7603



89.2602, 97.4169, 90.4800



69.0586, 64.3583, 49.8583



18.9152, 20.7661, 18.7747



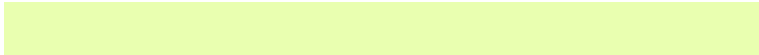
0.0000, 0.0000, 0.0000



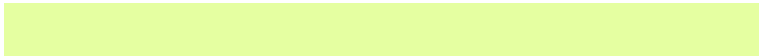
20.3446, 21.4041, 23.3091

Same Dimension

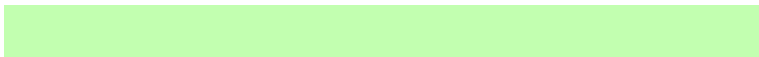
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2011, 91.9784, 54.7603



74.3875, 90.6936, 47.1416



65.9568, 86.1817, 54.2341



19.0391, 20.8216, 19.1598



29.1648, 42.7731, 6.7189



2.9459, 4.2194, 0.6592

Inverse Universe

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



56.8652, 50.2778, 101.3152



51.2090, 43.1429, 100.2362



68.3566, 56.2018, 101.8530



17.4778, 17.6225, 22.7303



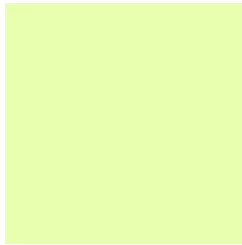
10.9135, 4.5366, 49.7350



1.1632, 0.4936, 4.8472

Previews

White Background



This preview shows how the XYZ color 77.2007, 91.9782, 54.7590 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 77.2007, 91.9782, 54.7590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

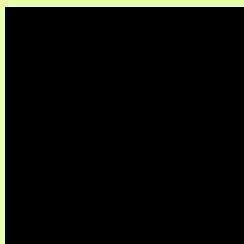
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

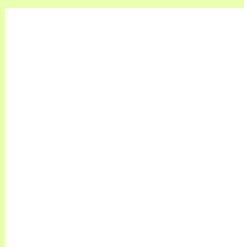
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2007, 91.9782, 54.7590

Background



This preview shows how black text looks on a background with the XYZ color 77.2007, 91.9782, 54.7590.



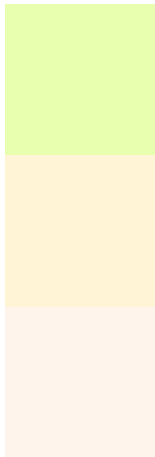
This preview shows how white text looks on a background with the XYZ color 77.2007, 91.9782,

54.7590.

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

77.2007, 91.9782, 54.7590

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.5861, 91.9595, 91.6782



Tritanopia

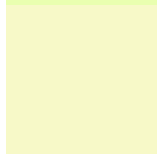
88.3586, 91.9373, 107.6964

Trichromacy



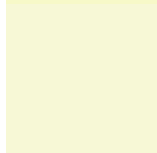
Original Color

77.2007, 91.9782, 54.7590



Protanomaly

82.6588, 91.6957, 67.9860



Deuteranomaly

84.0628, 91.7640, 76.9000



Tritanomaly

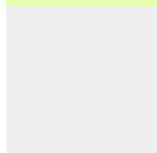
83.8788, 91.9431, 85.2774

Monochromacy



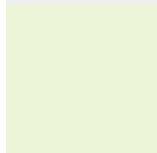
Original Color

77.2007, 91.9782, 54.7590



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9721, 88.2672, 77.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2007, 91.9782, 54.7590 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 77.2007, 91.9782, 54.7590 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, 176) }
```


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

```
.border{ border-color:rgb(233, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2007, 91.9782, 54.7590 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, 176) }
```

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

```
.background{ background-color: rgb(233,  
255, 176) }
```

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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