

Converting Colors

XYZ(81.1718, 100.0000,
55.2183)

Have a look what the booklet for
XYZ(81.1718, 100.0000, 55.2183)
contains.

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Color

**XYZ(77.0043, 91.8996,
53.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFAE
RGB	233, 255, 174
RGB Percent	91%, 100%, 68%
CMY	0.0863, 0.0000, 0.3176
CMYK	0.09, 0.00, 0.32, 0.00
HSL	76°, 100%, 84%
HSV	76°, 32%, 100%
XYZ	77.0043, 91.8996, 53.7242
YIQ	239.1880, 12.8890, -29.8550

Conversions

Conversions Part 2

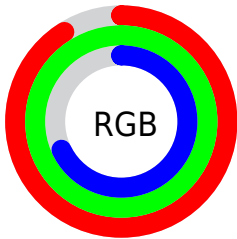
Format	Color
RYB	174, 255, 196
Decimal	15335342
CIELab	96.78, -20.00, 36.41
CIElCh	97, 41.539, 118.782
Yxy	91.8996, 0.3459, 0.4128
Android (android.graphics.Color)	4293525422 (0xFFE9FFAE)
YUV	239.1880, -32.1377, -5.4269
Hunter-Lab	95.8643, -24.3799, 33.8777

Details

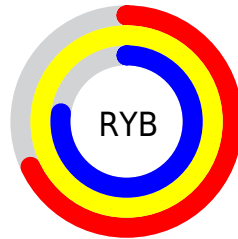
The XYZ color **77.0043, 91.8996, 53.7242** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **55.9519, 49.2291, 101.1609**, and the grayscale version is **82.4253, 86.7178, 94.4357**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **41.5498, 50.9987, 25.7430** is the 20% darker color. If you saturate the color by 10%, you get **72.5326, 89.8549, 41.7468**, and if you desaturate by 10%, it is **82.0375, 94.1793, 68.1938**.

Distribution



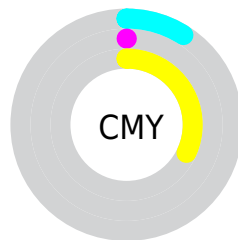
- Red (91%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (77%)



- Cyan (9%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0043, 91.8996, 53.7242 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 77.0043, 91.8996, 53.7242 by changing the saturation by 10% instead.

77.0043, 91.8996,
53.7242

77.0043, 91.8996,
53.7242

473.6704,
534.1910, 418.2023

57.5563, 69.5572,
37.9895

128.1184,
149.9742, 97.1215

41.6940, 51.1657,
25.6728

160.5152,
186.4753, 125.6212

29.0518, 36.3405,
16.3555

197.9590,
228.4647, 159.2130

19.2645, 24.6973,
9.6190

240.8151,
276.3269, 198.3154

11.9667, 15.8516,
5.0448

289.4490,
330.4462, 243.3470

6.7930, 9.4192,
2.2144

344.2259,

3.3782, 5.0156,

391.2071, 294.7263

0.6826

405.5113,
458.9939, 352.8719

■ 1.3568, 2.2564,
0.0000

■ 0.2251, 0.7505,
0.0000

■ 77.0043, 91.8996,
53.7242

■ 77.0043, 91.8996,
53.7242

■ 72.5326, 89.8549,
41.7468

■ 82.0375, 94.1793,
68.1938

■ 68.5935, 88.0333,
32.1166

■ 87.6567, 96.7037,
85.2816

■ 65.1569, 86.4227,
24.6796

■ 93.8862, 99.4827,
105.1099

■ 62.1886, 85.0093,
19.2621

■ 95.0500, 100.0000,
108.9000

■ 59.6497, 83.7775,
15.6638

■ 57.4934, 82.7083,
13.6437

■ 55.9468, 81.9267,
12.8647

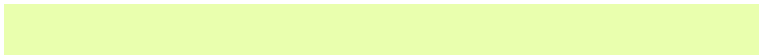
Harmonies

Analogous

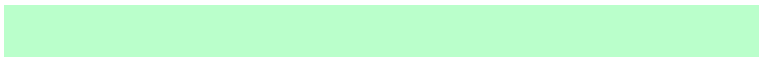
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8248, 91.8996, 48.6679



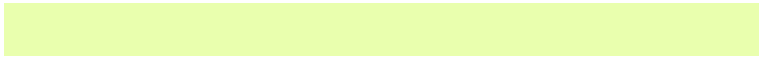
77.0043, 91.8996, 53.7242



69.5638, 91.8996, 70.3698

Triad

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



77.0043, 91.8996, 53.7242



76.2486, 91.8996, 165.5346



111.7014, 91.8996, 101.4327

Complementary

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



77.0043, 91.8996, 53.7242



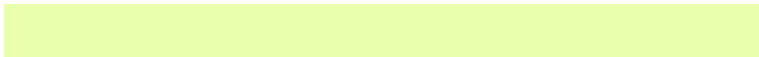
55.9519, 49.2291, 101.1609

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.



107.9306, 91.8996, 137.1166



77.0043, 91.8996, 53.7242



86.8726, 91.8996, 178.8446

Square

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



77.0043, 91.8996, 53.7242



69.1555, 91.8996, 134.2236



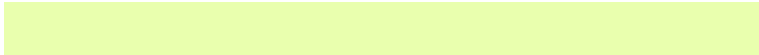
98.5784, 91.8996, 167.4491



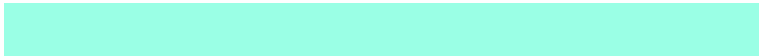
108.4797, 91.8996, 72.2540

Rectangle

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



77.0043, 91.8996, 53.7242



67.1735, 91.8996, 88.0984



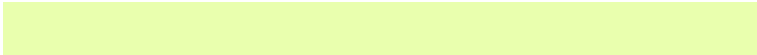
98.5784, 91.8996, 167.4491



111.2040, 91.8996, 113.0647

Sweetspot

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



77.0047, 91.8998, 53.7255



88.7105, 97.1751, 88.5764



68.5304, 63.6165, 48.7129



18.8076, 20.7189, 18.3956



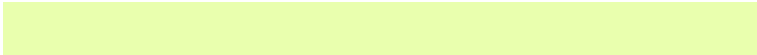
0.0000, 0.0000, 0.0000



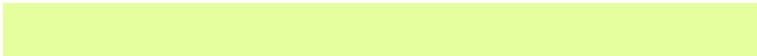
20.3446, 21.4041, 23.3091

Same Dimension

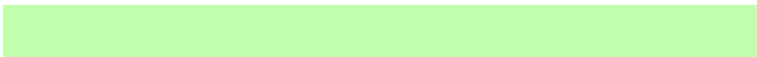
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0047, 91.8998, 53.7255



74.1517, 90.5977, 45.9718



65.3675, 85.9007, 53.1809



19.0518, 20.8281, 19.1604



29.3839, 42.8860, 6.7291



2.9657, 4.2297, 0.6601

Inverse Universe

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



55.9519, 49.2291, 101.1609



50.1615, 41.9500, 100.0611



67.8120, 55.3431, 101.7160



17.4659, 17.6164, 22.7297



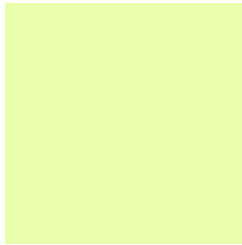
10.8448, 4.5012, 49.7318



1.1551, 0.4894, 4.8469

Previews

White Background



This preview shows how the XYZ color 77.0043, 91.8996, 53.7242 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 77.0043, 91.8996, 53.7242 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

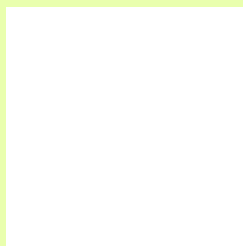
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0043, 91.8996, 53.7242

Background



This preview shows how black text looks on a background with the XYZ color 77.0043, 91.8996, 53.7242.

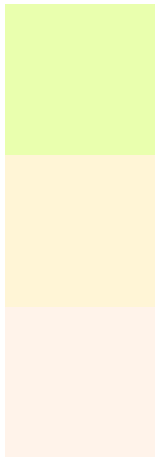


This preview shows how white text looks on a background with the XYZ color 77.0043, 91.8996,

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

77.0043, 91.8996, 53.7242

Protanopia

86.0300, 91.4199, 76.7299

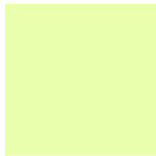
Deuteranopia

88.1419, 91.3017, 90.8193

Tritanopia

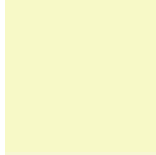
88.3586, 91.9373, 107.6964

Trichromacy



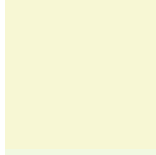
Original Color

77.0043, 91.8996, 53.7242



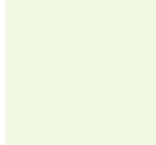
Protanomaly

82.5423, 91.6490, 67.3724



Deuteranomaly

83.5022, 91.0492, 75.4606



Tritanomaly

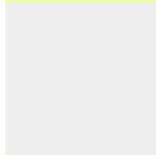
83.8788, 91.9431, 85.2774

Monochromacy



Original Color

77.0043, 91.8996, 53.7242



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.8432, 88.2156, 77.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0043, 91.8996, 53.7242 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 77.0043, 91.8996, 53.7242 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, 174) }
```


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

```
.border{ border-color:rgb(233, 255, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0043, 91.8996, 53.7242 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, 174) }
```

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

```
.background{ background-color: rgb(233,  
255, 174) }
```

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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