

Converting Colors

XYZ(76.0428, 91.3672, 55.3421)

Have a look what the booklet for
XYZ(76.0428, 91.3672, 55.3421)
contains.

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Color

**XYZ(76.0089, 91.3523,
55.2216)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFB1
RGB	229, 255, 177
RGB Percent	90%, 100%, 69%
CMY	0.1020, 0.0000, 0.3059
CMYK	0.10, 0.00, 0.31, 0.00
HSL	80°, 100%, 85%
HSV	80°, 31%, 100%
XYZ	76.0089, 91.3523, 55.2216
YIQ	238.3340, 9.5420, -29.7700

Conversions

Conversions Part 2

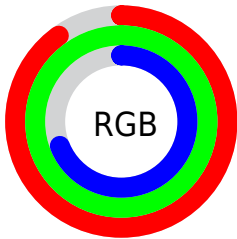
Format	Color
RYB	177, 255, 203
Decimal	15073201
CIELab	96.55, -21.05, 34.57
CIELCh	97, 40.471, 121.341
Yxy	91.3523, 0.3415, 0.4104
Android (android.graphics.Color)	4293263281 (0xFFE5FFB1)
YUV	238.3340, -30.2377, -8.1859
Hunter-Lab	95.5784, -25.3097, 32.6493

Details

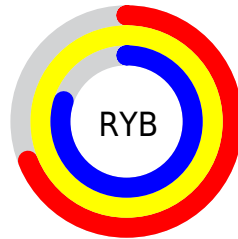
The XYZ color **76.0089, 91.3523, 55.2216** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.4017, 51.3620, 101.4435**, and the grayscale version is **81.7480, 86.0053, 93.6598**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **41.0658, 50.7276, 26.6958** is the 20% darker color. If you saturate the color by 10%, you get **71.0537, 89.0646, 42.9388**, and if you desaturate by 10%, it is **81.5727, 93.8989, 70.0145**.

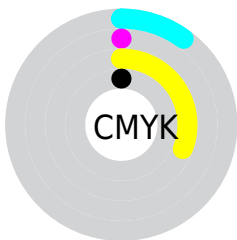
Distribution



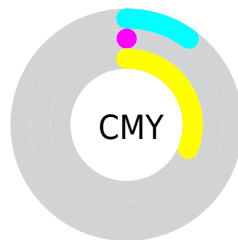
- Red (90%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0089, 91.3523, 55.2216 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 76.0089, 91.3523, 55.2216 by changing the saturation by 10% instead.


 76.0089, 91.3523,
55.2216

 76.0089, 91.3523,
55.2216


470.3221,
532.4201, 424.0570

 56.7369, 69.1028,
39.1794

 126.7198,
149.2154, 99.3400

 41.0333, 50.7954,
26.5904


158.8894,
185.5977, 128.2532

 28.5329, 36.0458,
17.0361

196.0888,
227.4598, 162.2938

 18.8703, 24.4696,
10.0980

238.6835,
275.1860, 201.8804

 11.6800, 15.6823,
5.3575

287.0389,
329.1608, 247.4314

 6.5968, 9.2996,
2.3962

341.5202,

 3.2553, 4.9371,

389.7684, 299.3655

0.7843

402.4928,
457.3934, 358.1012

■ 1.2902, 2.2104,
0.0000

■ 0.1759, 0.7257,
0.0000

■ 76.0089, 91.3523,
55.2216

■ 76.0089, 91.3523,
55.2216

■ 71.0537, 89.0646,
42.9388

■ 81.5727, 93.8989,
70.0145

■ 66.6775, 87.0235,
33.0224

■ 87.7702, 96.7145,
87.4423

■ 62.8497, 85.2167,
25.3204

94.6264, 99.8094,
107.6265

■ 59.5358, 83.6302,
19.6614

95.0500, 100.0000,
108.9000

■ 56.6965, 82.2479,
15.8488

■ 54.2850, 81.0509,
13.6476

■ 52.3374, 80.0659,
12.6958

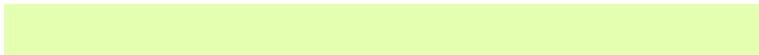
Harmonies

Analogous

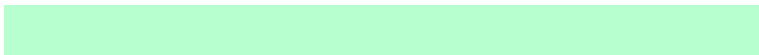
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3201, 91.3523, 49.3229



76.0089, 91.3523, 55.2216



69.1221, 91.3523, 72.5071

Triad

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



76.0089, 91.3523, 55.2216



76.8178, 91.3523, 164.6765



110.4128, 91.3523, 98.0179

Complementary

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



76.0089, 91.3523, 55.2216



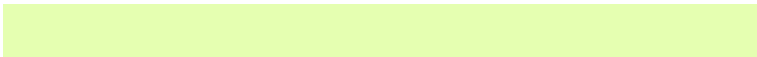
58.4017, 51.3620, 101.4435

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.



107.3245, 91.3523, 132.3974



76.0089, 91.3523, 55.2216



87.3371, 91.3523, 175.5532

Square

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



76.0089, 91.3523, 55.2216



69.5599, 91.3523, 135.4732



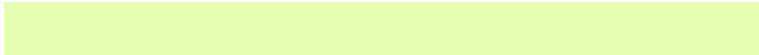
98.6271, 91.3523, 162.6467



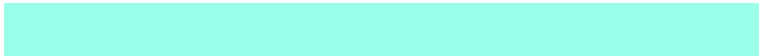
106.7399, 91.3523, 70.4831

Rectangle

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



76.0089, 91.3523, 55.2216



67.0690, 91.3523, 90.3892



98.6271, 91.3523, 162.6467



110.1294, 91.3523, 109.1334

Sweetspot

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



76.0093, 91.3525, 55.2229



88.8139, 97.1869, 90.4591



70.5324, 67.1471, 50.8395



18.8049, 20.7093, 18.7695



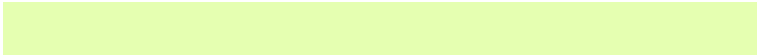
0.0000, 0.0000, 0.0000



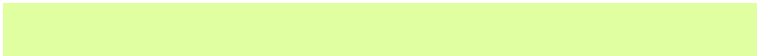
20.3446, 21.4041, 23.3091

Same Dimension

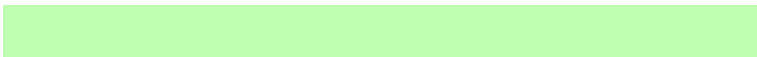
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0093, 91.3525, 55.2229



72.7633, 89.8563, 47.0656



64.9318, 85.6418, 54.7045



18.9384, 20.7697, 19.1551



27.5123, 41.9212, 6.6416



2.7947, 4.1415, 0.6521

Inverse Universe

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



58.4017, 51.3620, 101.4435



52.4974, 43.8071, 100.2965



70.3907, 57.5426, 102.0046



17.5735, 17.6718, 22.7347



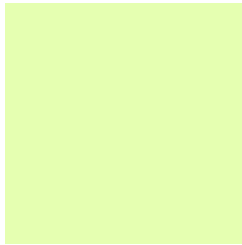
11.5297, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 76.0089, 91.3523, 55.2216 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 76.0089, 91.3523, 55.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

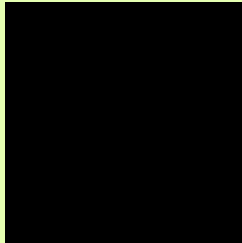
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

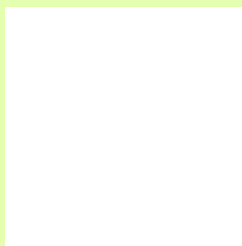
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0089, 91.3523, 55.2216

Background



This preview shows how black text looks on a background with the XYZ color 76.0089, 91.3523, 55.2216.

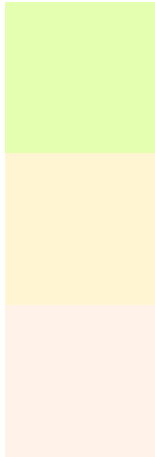


This preview shows how white text looks on a background with the XYZ color 76.0089, 91.3523,

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

76.0089, 91.3523, 55.2216

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

87.9986, 91.2444, 90.0647

Tritanopia

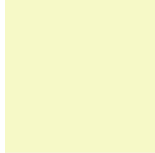
87.3628, 90.9761, 107.5634

Trichromacy



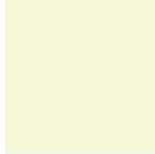
Original Color

76.0089, 91.3523, 55.2216



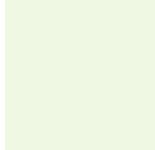
Protanomaly

82.1905, 91.4677, 67.3560



Deuteranomaly

83.2770, 90.9185, 76.1106



Tritanomaly

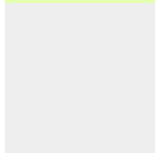
82.6924, 90.8580, 85.8520

Monochromacy



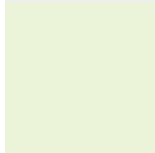
Original Color

76.0089, 91.3523, 55.2216



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.0063, 87.3214, 77.6564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0089, 91.3523, 55.2216 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(229, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 177)  
}
```

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(229, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 76.0089, 91.3523, 55.2216 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(229, 255, 177) }
```


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

```
.border{ border-color:rgb(229, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 255, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 255, 177); box-shadow:4px 4px 4px 4px rgb(229, 255, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0089, 91.3523, 55.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 177) }
```

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

```
.background{ background-color: rgb(229,  
255, 177) }
```

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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