

Converting Colors

XYZ(77.2044, 90.8057, 55.0636)

Have a look what the booklet for
XYZ(77.2044, 90.8057, 55.0636)
contains.

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Color

**XYZ(77.3220, 91.0871,
55.1012)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFDB1
RGB	235, 253, 177
RGB Percent	92%, 99%, 69%
CMY	0.0784, 0.0078, 0.3059
CMYK	0.07, 0.00, 0.30, 0.01
HSL	74°, 95%, 84%
HSV	74°, 30%, 99%
XYZ	77.3220, 91.0871, 55.1012
YIQ	238.9540, 13.6680, -27.4520

Conversions

Conversions Part 2

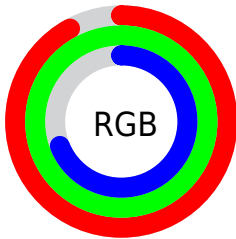
Format	Color
RYB	177, 253, 195
Decimal	15465905
CIELab	96.45, -17.92, 34.49
CIELCh	96, 38.872, 117.456
Yxy	91.0871, 0.3459, 0.4075
Android (android.graphics.Color)	4293655985 (0xFFEBFDB1)
YUV	238.9540, -30.5433, -3.4677
Hunter-Lab	95.4396, -22.4044, 32.5771

Details

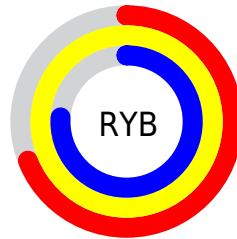
The XYZ color **77.3220, 91.0871, 55.1012** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.9611, 50.1407, 99.6624**, and the grayscale version is **82.2331, 86.5156, 94.2155**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **41.7381, 50.4001, 26.5971** is the 20% darker color. If you saturate the color by 10%, you get **73.0854, 89.1708, 42.9375**, and if you desaturate by 10%, it is **82.0975, 93.2329, 69.7342**.

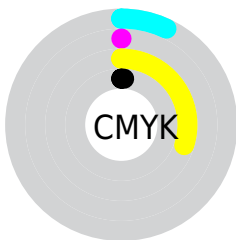
Distribution



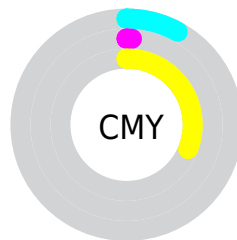
- Red (92%)
- Green (99%)
- Blue (69%)



- Red (69%)
- Yellow (99%)
- Blue (76%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (1%)



- Cyan (8%)
- Magenta (1%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3220, 91.0871, 55.1012 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 77.3220, 91.0871, 55.1012 by changing the saturation by 10% instead.

77.3220, 91.0871,
55.1012

77.3220, 91.0871,
55.1012

474.7363,
531.5608, 423.5882

57.8180, 68.8826,
39.0836

128.5643,
148.8475, 99.1619

41.9051, 50.6161,
26.5164

161.0334,
185.1722, 128.0420

29.2178, 35.9032,
16.9812

198.5550,
226.9725, 162.0467

19.3907, 24.3594,
10.0592

241.4943,
274.6327, 201.5946

12.0586, 15.6005,
5.3321

290.2167,
328.5373, 247.1041

6.8561, 9.2419,
2.3813

345.0876,

3.4178, 4.8993,

389.0705, 298.9939

0.7762

406.4724,
456.6169, 357.6824

■ 1.3784, 2.1883,
0.0000

■ 0.2407, 0.7136,
0.0000

■ 77.3220, 91.0871,
55.1012

■ 77.3220, 91.0871,
55.1012

■ 73.0854, 89.1708,
42.9375

■ 82.0975, 93.2329,
69.7342

■ 69.3543, 87.4612,
33.1010

■ 87.4295, 95.6060,
86.9564

■ 66.1018, 85.9506,
25.4439

■ 93.3431, 98.2196,
106.8871

■ 63.2957, 84.6260,
19.7995

■ 94.4173, 98.7345,
108.6891

■ 60.8990, 83.4726,
15.9765

■ 58.8677, 82.4726,
13.7471

■ 57.1365, 81.6007,
12.7391

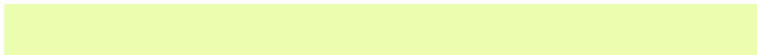
Harmonies

Analogous

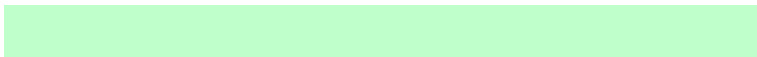
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5033, 91.0871, 50.7212



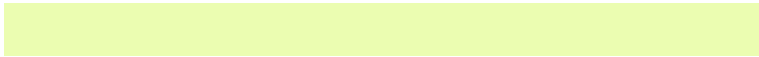
77.3220, 91.0871, 55.1012



70.1763, 91.0871, 70.4235

Triad

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



77.3220, 91.0871, 55.1012



75.8465, 91.0871, 158.4467



109.0973, 91.0871, 101.8496

Complementary

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



77.3220, 91.0871, 55.1012



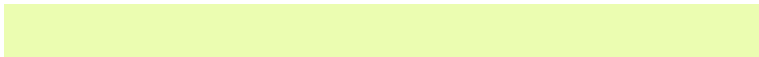
55.9611, 50.1407, 99.6624

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.



105.3491, 91.0871, 134.8560



77.3220, 91.0871, 55.1012



85.6544, 91.0871, 171.5111

Square

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



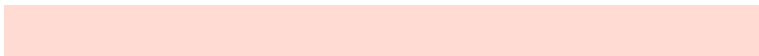
77.3220, 91.0871, 55.1012



69.3757, 91.0871, 129.3057



96.5394, 91.0871, 162.0925



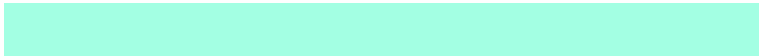
106.4063, 91.0871, 74.1368

Rectangle

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



77.3220, 91.0871, 55.1012



67.7926, 91.0871, 86.7780



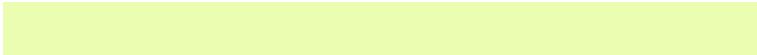
96.5394, 91.0871, 162.0925



108.5421, 91.0871, 112.7072

Sweetspot

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



77.3243, 91.0911, 55.1031



89.6005, 97.5924, 90.4959



67.9025, 62.9705, 50.1719



18.9994, 20.8095, 18.7786



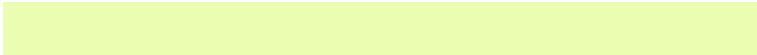
0.0000, 0.0000, 0.0000



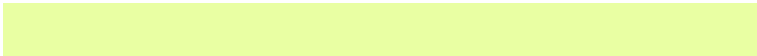
20.3446, 21.4041, 23.3091

Same Dimension

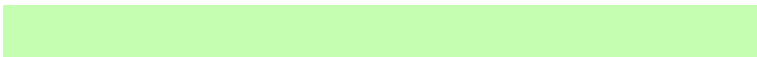
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3243, 91.0911, 55.1031



76.0753, 91.5375, 48.4033



66.1601, 85.3358, 54.5807



19.1159, 20.8612, 19.1634



30.5289, 43.4763, 6.7827



3.0690, 4.2829, 0.6649

Inverse Universe

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



55.9611, 50.1407, 99.6624



51.1779, 43.7933, 100.3633



66.9722, 55.8171, 100.1777



17.4058, 17.5854, 22.7269



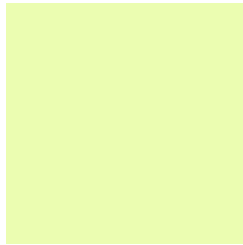
10.5274, 4.3375, 49.7170



1.1170, 0.4698, 4.8451

Previews

White Background



This preview shows how the XYZ color 77.3220, 91.0871, 55.1012 looks on a white background.

Color Contrast Check

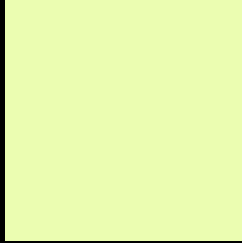
Large Text (above 18pt) WCAG AA × Fail

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 77.3220, 91.0871, 55.1012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

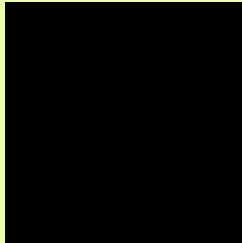
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

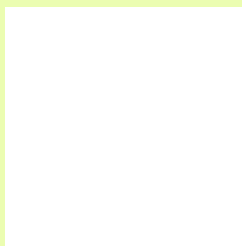
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3220, 91.0871, 55.1012

Background



This preview shows how black text looks on a background with the XYZ color 77.3220, 91.0871, 55.1012.

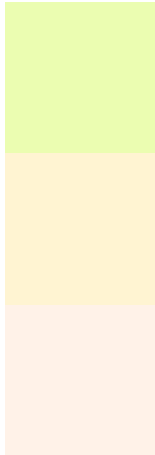


This preview shows how white text looks on a background with the XYZ color 77.3220, 91.0871,

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

77.3220, 91.0871, 55.1012

Protanopia

85.2235, 90.6145, 73.9714

Deuteranopia

87.5576, 90.5905, 89.2149



Tritanopia

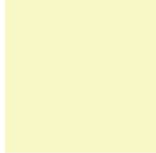
88.1066, 90.9140, 107.5122

Trichromacy



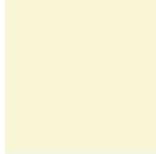
Original Color

77.3220, 91.0871, 55.1012



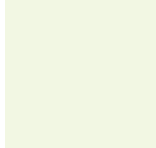
Protanomaly

82.1652, 90.5552, 66.5744



Deuteranomaly

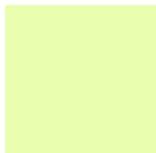
83.5508, 90.6215, 75.3754



Tritanomaly

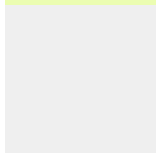
83.7438, 90.9448, 85.8134

Monochromacy



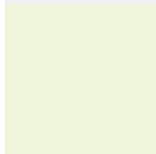
Original Color

77.3220, 91.0871, 55.1012



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0052, 87.8364, 77.7031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3220, 91.0871, 55.1012 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, 253, 177)` looks like.

```
.text, #text, p{  
    color:rgb(235, 253, 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(235, 253, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 177) }
```

Border

The CSS property to change the border of an element to XYZ 77.3220, 91.0871, 55.1012 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, 253, 177) }
```


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

```
.border{ border-color:rgb(235, 253, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 253, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 177);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3220, 91.0871, 55.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 177) }
```

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

```
.background{ background-color: rgb(235,  
253, 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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