

Converting Colors

XYZ(68.7877, 83.4901, 53.0487)

Have a look what the booklet for
XYZ(68.7877, 83.4901, 53.0487)
contains.

XYZ(68.7180, 83.4538, 53.0438)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7180, 83.4538,
53.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F6AF
RGB	215, 246, 175
RGB Percent	84%, 96%, 69%
CMY	0.1569, 0.0353, 0.3137
CMYK	0.13, 0.00, 0.29, 0.04
HSL	86°, 80%, 83%
HSV	86°, 29%, 96%
XYZ	68.7180, 83.4538, 53.0438
YIQ	228.6370, 4.3150, -28.6530

Conversions

Conversions Part 2

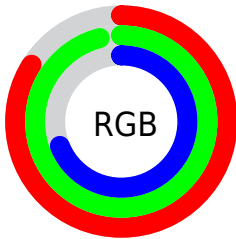
Format	Color
RYB	175, 246, 206
Decimal	14153391
CIELab	93.21, -21.98, 30.93
CIElCh	93, 37.946, 125.407
Yxy	83.4538, 0.3349, 0.4067
Android (android.graphics.Color)	4292343471 (0xFFD7F6AF)
YUV	228.6370, -26.4430, -11.9596
Hunter-Lab	91.3531, -25.5958, 29.5206

Details

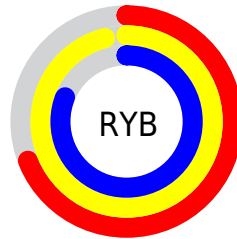
The XYZ color **68.7180, 83.4538, 53.0438** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.4215, 50.4379, 93.9025**, and the grayscale version is **74.3972, 78.2717, 85.2379**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **36.2244, 45.6030, 25.3054** is the 20% darker color. If you saturate the color by 10%, you get **63.4677, 81.0039, 41.3143**, and if you desaturate by 10%, it is **74.6200, 86.1939, 67.1048**.

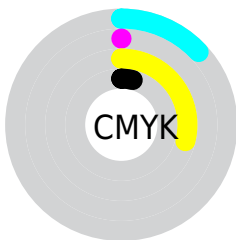
Distribution



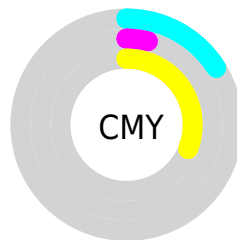
- Red (84%)
- Green (96%)
- Blue (69%)



- Red (69%)
- Yellow (96%)
- Blue (81%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7180, 83.4538, 53.0438 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 68.7180, 83.4538, 53.0438 by changing the saturation by 10% instead.


 68.7180, 83.4538,
53.0438

 68.7180, 83.4538,
53.0438


445.3727,
506.4977, 415.5242

 50.7579, 62.5646,
37.4498


 116.4150,
138.2109, 96.1110

 36.2362, 45.4891,
25.2574


146.8826,
172.8475, 124.4213

 24.7876, 31.8428,
16.0482


182.2500,
212.8354, 157.8074

 16.0468, 21.2415,
9.4035

222.8827,
258.5590, 196.6878

 9.6483, 13.3006,
4.9049

269.1459,
310.4026, 241.4812

 5.2269, 7.6359,
2.1338

321.4051,

 2.4171, 3.8629,

368.7506, 292.6060

0.6358

380.0256,
433.9875, 350.4809

■ 0.8537, 1.5971,
0.0000

■ 0.0000, 0.3557,
0.0000

■ 68.7180, 83.4538,
53.0438

■ 68.7180, 83.4538,
53.0438

■ 63.4677, 81.0039,
41.3143

■ 74.6200, 86.1939,
67.1048

■ 58.8347, 78.8217,
31.7847

■ 81.1931, 89.2240,
83.6084

■ 54.7910, 76.8981,
24.3185

■ 88.4640, 92.5579,
102.6653

■ 51.3031, 75.2194,
18.7622

■ 92.2475, 94.3950,
107.9658

■ 48.3336, 73.7701,
14.9404

■ 45.8385, 72.5320,
12.6454

■ 43.7551, 71.4796,
11.5712

■ 43.5354, 71.3681,
11.4809

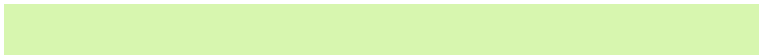
Harmonies

Analogous

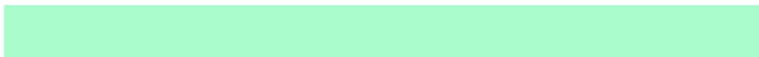
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5267, 83.4538, 46.4154



68.7180, 83.4538, 53.0438



63.1261, 83.4538, 69.8684

Triad

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



68.7180, 83.4538, 53.0438



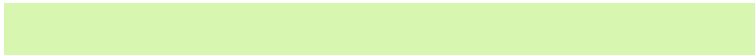
71.6023, 83.4538, 150.5299



99.9899, 83.4538, 85.7886

Complementary

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



68.7180, 83.4538, 53.0438



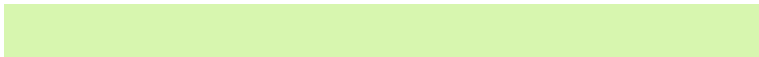
57.4215, 50.4379, 93.9025

Split Complementary

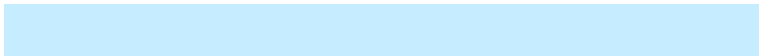
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.0714, 83.4538, 115.7004



68.7180, 83.4538, 53.0438



81.1414, 83.4538, 157.2627

Square

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



68.7180, 83.4538, 53.0438



64.6909, 83.4538, 126.5552



90.9607, 83.4538, 143.3988



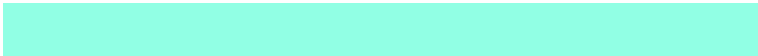
96.0041, 83.4538, 62.6108

Rectangle

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



68.7180, 83.4538, 53.0438



61.6956, 83.4538, 86.5382



90.9607, 83.4538, 143.3988



100.0176, 83.4538, 95.3378

Sweetspot

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



68.7201, 83.4575, 53.0456



87.9813, 96.7576, 90.4202



67.7622, 66.7213, 49.8657



18.5995, 20.6034, 18.7599



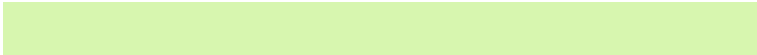
0.0000, 0.0000, 0.0000



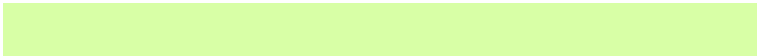
20.3446, 21.4041, 23.3091

Same Dimension

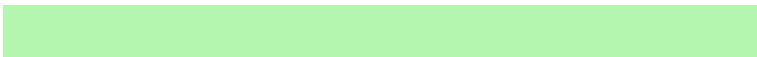
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7201, 83.4575, 53.0456



70.9470, 88.8671, 49.3700



59.4566, 78.6819, 52.6121



17.1755, 18.9325, 17.5467



23.4002, 38.1761, 6.1354



2.1745, 3.4161, 0.5448

Inverse Universe

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



57.4215, 50.4379, 93.9025



56.7412, 47.3414, 100.7550



68.3345, 56.0637, 94.4132



16.2677, 16.2807, 20.8276



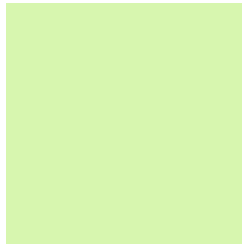
12.2968, 5.3136, 46.9155



1.1965, 0.5267, 4.1288

Previews

White Background



This preview shows how the XYZ color 68.7180, 83.4538, 53.0438 looks on a white background.

Color Contrast Check

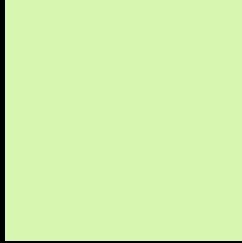
Large Text (above 18pt) WCAG AA × Fail

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 68.7180, 83.4538, 53.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

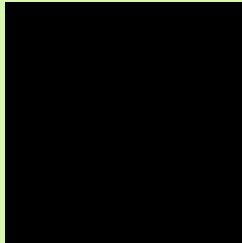
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

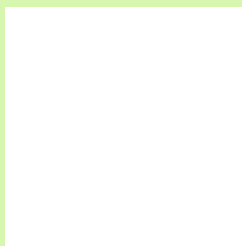
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7180, 83.4538, 53.0438

Background



This preview shows how black text looks on a background with the XYZ color 68.7180, 83.4538, 53.0438.



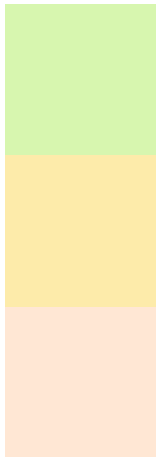
This preview shows how white text looks on a background with the XYZ color 68.7180, 83.4538,

53.0438.

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

68.7180, 83.4538, 53.0438

Protanopia

77.4720, 83.2016, 50.0065

Deuteranopia

81.6996, 83.1653, 74.0338



Tritanopia

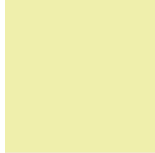
79.2489, 83.3154, 105.6706

Trichromacy



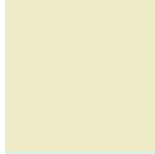
Original Color

68.7180, 83.4538, 53.0438



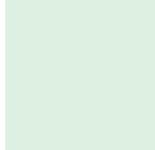
Protanomaly

73.9095, 83.0623, 51.1669



Deuteranomaly

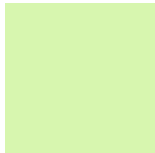
76.2394, 82.6397, 65.9656



Tritanomaly

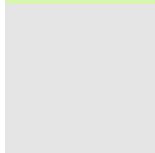
74.8749, 83.2860, 83.3636

Monochromacy



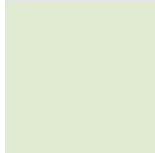
Original Color

68.7180, 83.4538, 53.0438



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.9574, 79.8674, 71.9450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7180, 83.4538, 53.0438 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(215, 246, 175)` looks like.

```
.text, #text, p{  
    color:rgb(215, 246, 175)  
}
```

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(215, 246, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 246, 175) }
```

Border

The CSS property to change the border of an element to XYZ 68.7180, 83.4538, 53.0438 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(215, 246, 175) }
```


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

```
.border{ border-color:rgb(215, 246, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 246, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 246, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 246, 175);  
box-shadow:4px 4px 4px 4px rgb(215, 246,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7180, 83.4538, 53.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 246, 175) }
```

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

```
.background{ background-color: rgb(215,  
246, 175) }
```

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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