

Converting Colors

XYZ(53.4549, 70.9823, 26.1852)

Have a look what the booklet for
XYZ(53.4549, 70.9823, 26.1852)
contains.

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Color

**XYZ(53.3337, 70.8343,
26.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEA70
RGB	189, 234, 112
RGB Percent	74%, 92%, 44%
CMY	0.2588, 0.0823, 0.5608
CMYK	0.19, 0.00, 0.52, 0.08
HSL	82°, 74%, 68%
HSV	82°, 52%, 92%
XYZ	53.3337, 70.8343, 26.1906
YIQ	206.6370, 12.3420, -47.4820

Conversions

Conversions Part 2

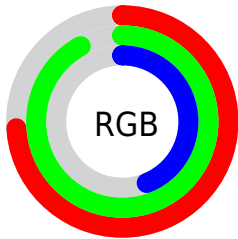
Format	Color
RYB	112, 234, 157
Decimal	12446320
CIELab	87.40, -33.30, 53.90
CIELCh	87, 63.360, 121.710
Yxy	70.8343, 0.3547, 0.4711
Android (android.graphics.Color)	4290636400 (0xFFBDEA70)
YUV	206.6370, -46.6560, -15.4676
Hunter-Lab	84.1631, -34.1710, 40.4638

Details

The XYZ color **53.3337, 70.8343, 26.1906** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.5529, 24.6989, 80.7922**, and the grayscale version is **59.3612, 62.4526, 68.0109**.

A 20% lighter version of the original color is **81.0007, 94.0473, 49.9602**, and **26.3827, 37.1431, 9.9165** is the 20% darker color. If you saturate the color by 10%, you get **50.1190, 69.3108, 20.1007**, and if you desaturate by 10%, it is **57.0179, 72.5652, 34.0724**.

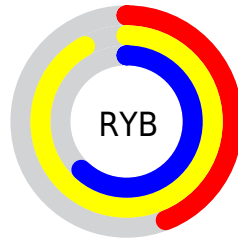
Distribution



Red (74%)

Green (92%)

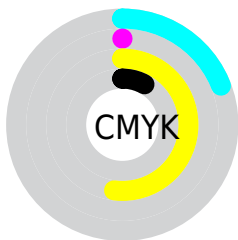
Blue (44%)



Red (44%)

Yellow (92%)

Blue (62%)

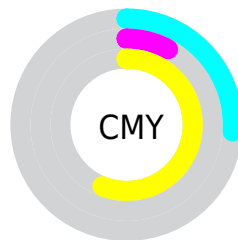


Cyan (19%)

Magenta (0%)

Yellow (52%)

Black (8%)



Cyan (26%)

Magenta (8%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3337, 70.8343, 26.1906 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 53.3337, 70.8343, 26.1906 by changing the saturation by 10% instead.

■ 53.3337, 70.8343,
26.1906

■ 53.3337, 70.8343,
26.1906

389.8040,
463.4740, 297.3517

■ 38.2978, 52.2070,
16.7392

■ 94.2579, 120.3978,
54.5701

■ 26.3921, 37.1701,
9.8888

■ 120.8768,
152.1027, 74.3354

■ 17.2515, 25.3392,
5.2206

■ 152.0875,
188.9356, 98.3757

■ 10.5103, 16.3300,
2.3163

188.2552,
231.2809, 127.1095

■ 5.8035, 9.7579,
0.7403

229.7454,
279.5230, 160.9555

■ 2.7655, 5.2388,
0.0000

276.9233,

■ 1.0310, 2.3880,

334.0463, 200.3322

0.0000

330.1544,
395.2352, 245.6581

0.0000, 0.8197,
0.0000

0.0000, 0.0000,
0.0000

53.3337, 70.8343,
26.1906

53.3337, 70.8343,
26.1906

50.1190, 69.3108,
20.1007

57.0179, 72.5652,
34.0724

47.3396, 67.9735,
15.6569


61.1925, 74.5048,
43.8676


44.9641, 66.8119,
12.6981

65.8830, 76.6660,
55.6927


42.9531, 65.8100,
11.0284


71.1117, 79.0579,
69.6532

 41.5798, 65.1151,
10.3770

 76.8991, 81.6890,
85.8477

 83.2647, 84.5672,
104.3682

 86.6932, 86.2868,
106.6935

 88.7144, 87.3287,
106.7881

Harmonies

Analogous

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



66.4726, 70.8343, 20.6738



53.3337, 70.8343, 26.1906



45.0758, 70.8343, 44.3507

Triad

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



53.3337, 70.8343, 26.1906



54.6145, 70.8343, 174.5576



100.2963, 70.8343, 74.6984

Complementary

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



53.3337, 70.8343, 26.1906



34.5529, 24.6989, 80.7922

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.



95.9055, 70.8343, 123.0301



53.3337, 70.8343, 26.1906



68.1864, 70.8343, 191.9738

Square

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



53.3337, 70.8343, 26.1906



45.7348, 70.8343, 128.9247



83.5734, 70.8343, 170.3614



94.8248, 70.8343, 41.4759

Rectangle

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



53.3337, 70.8343, 26.1906



42.7231, 70.8343, 65.8677



83.5734, 70.8343, 170.3614



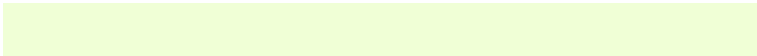
99.9221, 70.8343, 89.6003

Sweetspot

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



53.3354, 70.8374, 26.1921



83.8411, 94.9016, 77.6513



48.8709, 42.6884, 20.9941



17.6641, 20.1842, 15.8694



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.



53.3354, 70.8374, 26.1921



60.4929, 84.0351, 23.7043



41.2920, 64.6288, 25.6285



15.7821, 17.3332, 16.0326



23.5076, 36.6631, 5.8377



1.9513, 2.9333, 0.4633

Inverse Universe

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



34.5529, 24.6989, 80.7922



35.3367, 22.1198, 97.0149



49.4819, 32.3950, 81.4908



14.7560, 14.8195, 19.0050



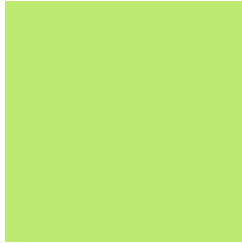
10.6458, 4.5241, 44.0551



0.9388, 0.4083, 3.4642

Previews

White Background



This preview shows how the XYZ color 53.3337, 70.8343, 26.1906 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 53.3337, 70.8343, 26.1906 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 53.3337, 70.8343, 26.1906

Background



This preview shows how black text looks on a background with the XYZ color 53.3337, 70.8343, 26.1906.

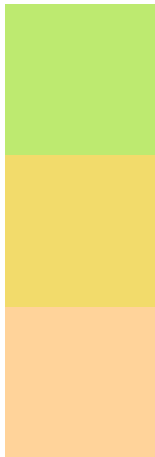


This preview shows how white text looks on a background with the XYZ color 53.3337, 70.8343,

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

53.3337, 70.8343, 26.1906

Protanopia

64.6033, 70.6018, 24.1325

Deuteranopia

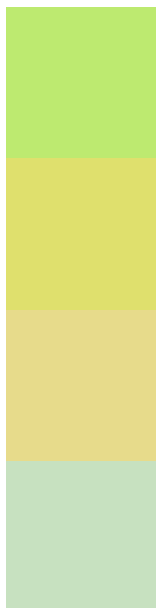
70.3670, 70.1816, 40.4095



Tritanopia

66.2027, 70.3386, 90.9764

Trichromacy



Original Color

53.3337, 70.8343, 26.1906

Protanomaly

59.8474, 70.1034, 24.8450

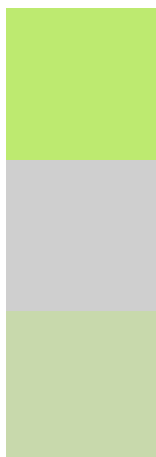
Deuteranomaly

62.9467, 69.5160, 34.5264

Tritanomaly

59.9928, 69.7983, 60.1796

Monochromacy



Original Color

53.3337, 70.8343, 26.1906

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

56.0787, 64.8836, 48.5979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3337, 70.8343, 26.1906 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(189, 234, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 234, 112)  
}
```

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(189, 234, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 112) }
```

Border

The CSS property to change the border of an element to XYZ 53.3337, 70.8343, 26.1906 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(189, 234, 112) }
```


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

```
.border{ border-color:rgb(189, 234, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 234, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3337, 70.8343, 26.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 234, 112) }
```

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

```
.background{ background-color: rgb(189,  
234, 112) }
```

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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