

Converting Colors

XYZ(53.2341, 48.2856, 87.3894)

Have a look what the booklet for
XYZ(53.2341, 48.2856, 87.3894)
contains.

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Color

**XYZ(53.2683, 48.4351,
87.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AFEE
RGB	195, 175, 238
RGB Percent	76%, 69%, 93%
CMY	0.2353, 0.3137, 0.0667
CMYK	0.18, 0.26, 0.00, 0.07
HSL	259°, 65%, 81%
HSV	259°, 26%, 93%
XYZ	53.2683, 48.4351, 87.4303
YIQ	188.1620, -8.3030, 23.8330

Conversions

Conversions Part 2

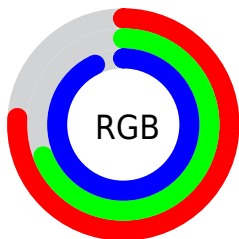
Format	Color
R_{YB}	195, 175, 238
Decimal	12824558
CIE _{Lab}	75.10, 19.57, -28.83
CIE _{LCh}	75, 34.843, 304.173
Yxy	48.4351, 0.2816, 0.2561
Android (android.graphics.Color)	4291014638 (0xFFC3AFEE)
YUV	188.1620, 24.5701, 5.9969
Hunter-Lab	69.5953, 14.8322, -25.7673

Details

The XYZ color **53.2683, 48.4351, 87.4303** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.2273, 79.1508, 52.2939**, and the grayscale version is **47.7615, 50.2488, 54.7209**.

A 20% lighter version of the original color is **86.7708, 85.0673, 106.4541**, and **26.3875, 22.9592, 47.2968** is the 20% darker color. If you saturate the color by 10%, you get **45.0667, 37.9269, 85.8351**, and if you desaturate by 10%, it is **62.7460, 60.8153, 89.3212**.

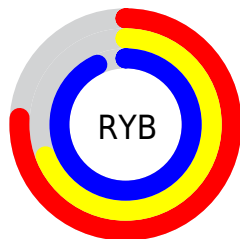
Distribution



Red (76%)

Green (69%)

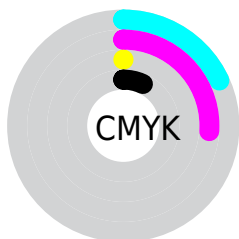
Blue (93%)



Red (76%)

Yellow (69%)

Blue (93%)

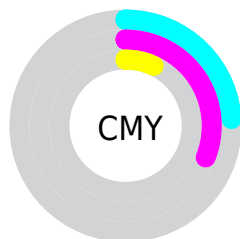


Cyan (18%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (24%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2683, 48.4351, 87.4303 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 53.2683, 48.4351, 87.4303 by changing the saturation by 10% instead.

■ 53.2683, 48.4351,
87.4303

■ 53.2683, 48.4351,
87.4303

389.5577,
380.5142, 539.9887

■ 38.2453, 34.1716,
65.2897

■ 94.1623, 87.8519,
145.6679

■ 26.3512, 23.0254,
47.2432

120.7640,
113.7739, 182.6020

■ 17.2206, 14.6123,
32.8722

151.9559,
144.3509, 225.3043

■ 10.4882, 8.5477,
21.7583

188.1036,
179.9673, 274.1935

■ 5.7886, 4.4474,
13.4828

229.5722,
221.0074, 329.6879

■ 2.7564, 1.9268,
7.6272

276.7272,

■ 1.0263, 0.5644,

267.8556, 392.2063

3.7730

329.9339,
320.8964, 462.1670

■ 0.0000, 0.0000,
1.5017

■ 0.0000, 0.0000,
0.2192

■ 53.2683, 48.4351,
87.4303

■ 53.2683, 48.4351,
87.4303

■ 45.0667, 37.9269,
85.8351

■ 62.7460, 60.8153,
89.3212

■ 38.0792, 29.1916,
84.5173

■ 73.5488, 75.1483,
91.5183

■ 32.2451, 22.1298,
83.4617

■ 85.7286, 91.5169,
94.0359

■ 27.4966, 16.6294,
82.6503

■ 92.4328, 98.9531,
95.1179

■ 23.7578, 12.5644,
82.0627

■ 20.9417, 9.7880,
81.6752

■ 18.9422, 8.1177,
81.4582

■ 18.3779, 7.6914,
81.4057

Harmonies

Analogous

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



46.9336, 48.4351, 96.0571



53.2683, 48.4351, 87.4303



57.9713, 48.4351, 69.5532

Triad

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



53.2683, 48.4351, 87.4303



51.5841, 48.4351, 27.0346



34.8635, 48.4351, 55.3328

Complementary

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



53.2683, 48.4351, 87.4303



67.2273, 79.1508, 52.2939

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.



35.8630, 48.4351, 38.8774



53.2683, 48.4351, 87.4303



45.1501, 48.4351, 24.9070

Square

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



53.2683, 48.4351, 87.4303



56.9377, 48.4351, 35.3783



39.4901, 48.4351, 28.7035



36.6232, 48.4351, 75.0095

Rectangle

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



53.2683, 48.4351, 87.4303



59.3355, 48.4351, 56.3818



39.4901, 48.4351, 28.7035



34.8891, 48.4351, 49.2539

Sweetspot

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



53.2699, 48.4371, 87.4314



83.9455, 85.1220, 106.6135



58.1978, 65.4573, 90.4569



17.5457, 17.6575, 22.7334



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.



53.2699, 48.4371, 87.4314



56.7044, 49.4445, 101.1628



62.2694, 53.0765, 87.8526



15.3695, 15.4722, 19.8980



10.3713, 4.3520, 45.4213



0.9622, 0.4133, 3.7833

Inverse Universe

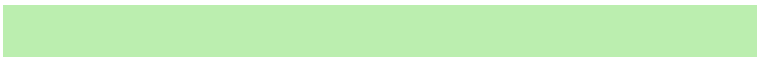
The Inverse Universe completely reimagines the original color for something new.



63.2462, 53.9009, 73.4019



70.4166, 56.9633, 81.4826



58.6975, 74.7536, 51.8947



16.2283, 15.9410, 18.7584



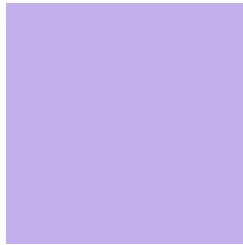
23.3934, 11.6298, 20.5198



1.9910, 0.9855, 1.9437

Previews

White Background



This preview shows how the XYZ color 53.2683, 48.4351, 87.4303 looks on a white background.

Color Contrast Check

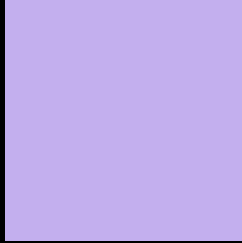
Large Text (above 18pt) WCAG AA × Fail

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 53.2683, 48.4351, 87.4303 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 53.2683, 48.4351, 87.4303

Background



This preview shows how black text looks on a background with the XYZ color 53.2683, 48.4351, 87.4303.



This preview shows how white text looks on a background with the XYZ color 53.2683, 48.4351,

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

53.2683, 48.4351, 87.4303

Protanopia

49.4111, 48.7235, 92.3883

Deuteranopia

49.9185, 48.8004, 86.9092



Tritanopia

47.7506, 48.5896, 59.6853

Trichromacy



Original Color

53.2683, 48.4351, 87.4303

Protanomaly

50.7084, 48.5183, 90.6968

Deuteranomaly

50.9346, 48.4219, 86.7826

Tritanomaly

49.6908, 48.4723, 69.0245

Monochromacy



Original Color

53.2683, 48.4351, 87.4303

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.5599, 49.3996, 65.3155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2683, 48.4351, 87.4303 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(195, 175, 238)` looks like.

```
.text, #text, p{  
    color:rgb(195, 175, 238)  
}
```

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(195, 175, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 175, 238) }
```

Border

The CSS property to change the border of an element to XYZ 53.2683, 48.4351, 87.4303 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(195, 175, 238) }
```


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

```
.border{ border-color:rgb(195, 175, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 175, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 175, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 175, 238);  
box-shadow:4px 4px 4px 4px rgb(195, 175,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2683, 48.4351, 87.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 175, 238) }
```

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

```
.background{ background-color: rgb(195,  
175, 238) }
```

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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