

Converting Colors

XYZ(50.0063, 50.4282, 85.6264)

Have a look what the booklet for
XYZ(50.0063, 50.4282, 85.6264)
contains.

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Color

**XYZ(49.9993, 50.4230,
85.6946)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBBEB
RGB	173, 187, 235
RGB Percent	68%, 73%, 92%
CMY	0.3216, 0.2667, 0.0784
CMYK	0.26, 0.20, 0.00, 0.08
HSL	226°, 61%, 80%
HSV	226°, 26%, 92%
XYZ	49.9993, 50.4230, 85.6946
YIQ	188.2860, -23.7520, 11.9600

Conversions

Conversions Part 2

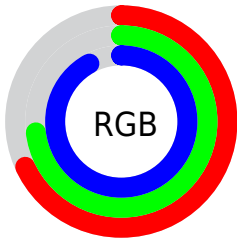
Format	Color
R_{YB}	173, 184, 235
Decimal	11385835
CIE _{Lab}	76.33, 5.66, -25.47
CIE _{LCh}	76, 26.090, 282.528
Yxy	50.4230, 0.2686, 0.2709
Android (android.graphics.Color)	4289575915 (0xFFADBEB)
YUV	188.2860, 23.0300, -13.4058
Hunter-Lab	71.0092, 1.4202, -21.8454

Details

The XYZ color **49.9993, 50.4230, 85.6946** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.6610, 72.3928, 49.9438**, and the grayscale version is **47.8466, 50.3384, 54.8185**.

A 20% lighter version of the original color is **82.4137, 87.9792, 107.2458**, and **24.2695, 24.2268, 46.0449** is the 20% darker color. If you saturate the color by 10%, you get **41.6347, 40.7406, 84.2674**, and if you desaturate by 10%, it is **59.7701, 61.5585, 87.3298**.

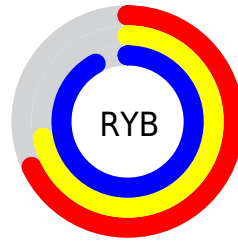
Distribution



Red (68%)

Green (73%)

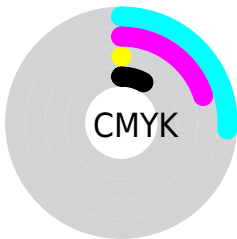
Blue (92%)



Red (68%)

Yellow (72%)

Blue (92%)

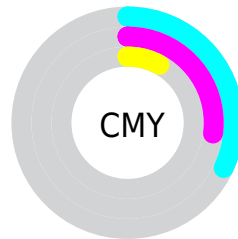


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9993, 50.4230, 85.6946 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 49.9993, 50.4230, 85.6946 by changing the saturation by 10% instead.

■ 49.9993, 50.4230,
85.6946

■ 49.9993, 50.4230,
85.6946

377.1152,
388.3178, 534.1281

■ 35.6306, 35.7496,
63.8620

■ 89.3657, 90.8013,
143.2260

■ 24.3179, 24.2409,
46.0935

115.0941,
117.2750, 179.7619

■ 15.6956, 15.5124,
31.9704

145.3398,
148.4509, 222.0360

■ 9.3985, 9.1798,
21.0742

180.4682,
184.7135, 270.4668

■ 5.0612, 4.8586,
12.9865

220.8445,
226.4471, 325.4729

■ 2.3183, 2.1646,
7.2886

266.8343,

■ 0.8040, 0.7006,

274.0360, 387.4727

3.5621

318.8027,
327.8648, 456.8850

■ 0.0000, 0.0000,
1.3883

■ 0.0000, 0.0000,
0.1326

■ 49.9993, 50.4230,
85.6946

■ 49.9993, 50.4230,
85.6946

■ 41.6347, 40.7406,
84.2674

■ 59.7701, 61.5585,
87.3298

■ 34.6053, 32.4442,
83.0366

■ 71.0038, 74.1985,
89.1775

■ 28.8411, 25.4702,
81.9942

■ 83.7600, 88.3992,
91.2462

■ 24.2636, 19.7473,
81.1309

■ 91.9956, 98.7782,
92.8155

■ 20.7851, 15.1973,
80.4360

■ 18.3046, 11.7320,
79.8978

■ 16.6996, 9.2483,
79.5030

■ 16.2718, 8.5507,
79.3909

Harmonies

Analogous

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



45.1509, 50.4230, 84.8861



49.9993, 50.4230, 85.6946



54.5833, 50.4230, 77.2951

Triad

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



49.9993, 50.4230, 85.6946



55.2128, 50.4230, 38.6021



39.4853, 50.4230, 47.1895

Complementary

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



49.9993, 50.4230, 85.6946



67.6610, 72.3928, 49.9438

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.



41.8325, 50.4230, 37.3146



49.9993, 50.4230, 85.6946



50.8116, 50.4230, 32.9688

Square

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



49.9993, 50.4230, 85.6946



57.7282, 50.4230, 49.2524



45.9099, 50.4230, 32.5416



39.3006, 50.4230, 60.9681

Rectangle

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



49.9993, 50.4230, 85.6946



56.7842, 50.4230, 68.3203



45.9099, 50.4230, 32.5416



40.0398, 50.4230, 43.3669

Sweetspot

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



50.0009, 50.4250, 85.6958



83.1061, 86.6683, 106.9562



59.9322, 73.4976, 79.1099



17.3357, 18.0430, 22.8189



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.



50.0009, 50.4250, 85.6958



54.1839, 53.7733, 102.1312



51.0592, 46.7740, 84.9353



14.5071, 15.1007, 19.0724



9.1346, 4.9162, 44.2104



0.7879, 0.5273, 3.4951

Inverse Universe

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



58.1755, 51.1387, 53.8203



65.7557, 55.0989, 56.9383



66.3055, 77.4123, 50.9841



15.2048, 15.1098, 16.3636



19.4660, 9.9891, 2.9894



1.5642, 0.7986, 0.4225

Previews

White Background



This preview shows how the XYZ color 49.9993, 50.4230, 85.6946 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 49.9993, 50.4230, 85.6946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

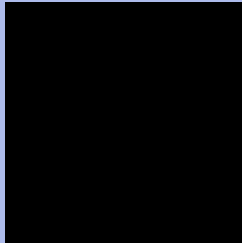
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9993, 50.4230, 85.6946

Background



This preview shows how black text looks on a background with the XYZ color 49.9993, 50.4230, 85.6946.



This preview shows how white text looks on a background with the XYZ color 49.9993, 50.4230,

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

49.9993, 50.4230, 85.6946

Protanopia

50.3147, 50.2884, 84.8967

Deuteranopia

51.5722, 50.2822, 86.3442



Tritanopia

46.0485, 50.4198, 66.3365

Trichromacy



Original Color

49.9993, 50.4230, 85.6946

Protanomaly

50.0894, 50.1723, 84.8861

Deuteranomaly

51.0797, 50.3378, 86.3808

Tritanomaly

47.3000, 50.2717, 72.8561

Monochromacy



Original Color

49.9993, 50.4230, 85.6946

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.5311, 50.4415, 64.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9993, 50.4230, 85.6946 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(173, 187, 235)` looks like.

```
.text, #text, p{  
    color:rgb(173, 187, 235)  
}
```

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(173, 187, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 187, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.9993, 50.4230, 85.6946 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(173, 187, 235) }
```


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

```
.border{ border-color:rgb(173, 187, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 187, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 187, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 187, 235);  
box-shadow:4px 4px 4px 4px rgb(173, 187,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9993, 50.4230, 85.6946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 187, 235) }
```

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

```
.background{ background-color: rgb(173,  
187, 235) }
```

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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