

Converting Colors

XYZ(50.9843, 52.5755, 87.5463)

Have a look what the booklet for
XYZ(50.9843, 52.5755, 87.5463)
contains.

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Color

**XYZ(50.9303, 52.4716,
87.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC0ED
RGB	171, 192, 237
RGB Percent	67%, 75%, 93%
CMY	0.3294, 0.2470, 0.0706
CMYK	0.28, 0.19, 0.00, 0.07
HSL	221°, 65%, 80%
HSV	221°, 28%, 93%
XYZ	50.9303, 52.4716, 87.5645
YIQ	190.8510, -26.9610, 9.5430

Conversions

Conversions Part 2

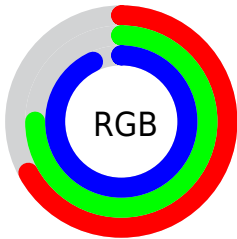
Format	Color
RYB	171, 187, 237
Decimal	11256045
CIELab	77.56, 2.83, -24.67
CIELCh	78, 24.837, 276.545
Yxy	52.4716, 0.2667, 0.2748
Android (android.graphics.Color)	4289446125 (0xFFABC0ED)
YUV	190.8510, 22.7515, -17.4093
Hunter-Lab	72.4373, -1.2628, -20.9655

Details

The XYZ color **50.9303, 52.4716, 87.5645** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.8325, 70.0572, 48.5296**, and the grayscale version is **49.3199, 51.8884, 56.5064**.

A 20% lighter version of the original color is **83.2960, 90.6857, 107.7217**, and **24.9092, 25.5833, 47.3413** is the 20% darker color. If you saturate the color by 10%, you get **42.8682, 43.3355, 86.2269**, and if you desaturate by 10%, it is **60.3108, 62.8681, 89.0777**.

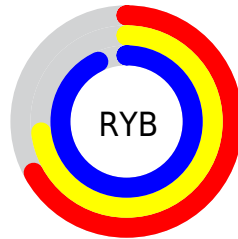
Distribution



Red (67%)

Green (75%)

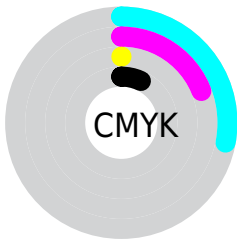
Blue (93%)



Red (67%)

Yellow (73%)

Blue (93%)

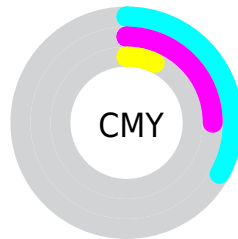


Cyan (28%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (25%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9303, 52.4716, 87.5645 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 50.9303, 52.4716, 87.5645 by changing the saturation by 10% instead.

■ 50.9303, 52.4716,
87.5645

■ 50.9303, 52.4716,
87.5645

380.6851,
396.2546, 540.4403

■ 36.3740, 37.3811,
65.4002

■ 90.7353, 93.8264,
145.8565

■ 24.8946, 25.5027,
47.3322

116.7147,
120.8595, 182.8213

■ 16.1269, 16.4520,
32.9422

147.2326,
152.6422, 225.5566

■ 9.7054, 9.8446,
21.8114

182.6541,
189.5590, 274.4810

■ 5.2648, 5.2960,
13.5214

223.3448,
231.9942, 330.0130

■ 2.4398, 2.4220,
7.6536

269.6699,

■ 0.8650, 0.8372,

280.3323, 392.5712

3.7895

321.9949,
334.9576, 462.5741

■ 0.0000, 0.0000,
1.5106

■ 0.0000, 0.0000,
0.2258

■ 50.9303, 52.4716,
87.5645

■ 50.9303, 52.4716,
87.5645

■ 42.8682, 43.3355,
86.2269

■ 60.3108, 62.8681,
89.0777

■ 36.0576, 35.4030,
85.0547

■ 71.0626, 74.5664,
90.7690

■ 30.4329, 28.6219,
84.0423

■ 83.2413, 87.6133,
92.6454

■ 25.9199, 22.9335,
83.1821

■ 92.2862, 98.8945,
94.3462

■ 22.4358, 18.2727,
82.4662

■ 19.8842, 14.5665,
81.8853

■ 18.1383, 11.7239,
81.4286

■ 17.8305, 11.2029,
81.3443

Harmonies

Analogous

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



46.2942, 52.4716, 84.9215



50.9303, 52.4716, 87.5645



55.5630, 52.4716, 81.0640

Triad

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



50.9303, 52.4716, 87.5645



57.6477, 52.4716, 42.8158



41.8883, 52.4716, 47.2594

Complementary

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



50.9303, 52.4716, 87.5645



66.8325, 70.0572, 48.5296

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.



44.5848, 52.4716, 38.4461



50.9303, 52.4716, 87.5645



53.6309, 52.4716, 36.1823

Square

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



50.9303, 52.4716, 87.5645



59.5985, 52.4716, 54.1773



48.8298, 52.4716, 34.7212



41.2671, 52.4716, 60.1935

Rectangle

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



50.9303, 52.4716, 87.5645



57.9621, 52.4716, 72.9504



48.8298, 52.4716, 34.7212



42.5733, 52.4716, 43.7845

Sweetspot

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



50.9320, 52.4737, 87.5657



83.6613, 87.7788, 107.1413



59.3458, 74.1337, 75.4726



17.4747, 18.3211, 22.8652



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.



50.9320, 52.4737, 87.5657



54.9207, 56.0787, 102.5374



49.1418, 45.1870, 86.2536



14.6224, 15.3312, 19.1108



9.8391, 6.3252, 44.4453



0.8564, 0.6643, 3.5180

Inverse Universe

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



59.0038, 50.9377, 56.5934



65.9246, 54.3892, 60.2240



69.0000, 79.6785, 50.2725



15.2630, 15.1330, 16.6700



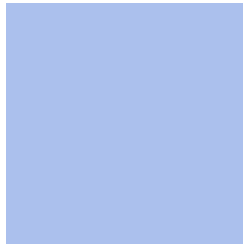
19.8216, 10.1313, 4.8620



1.5988, 0.8125, 0.6045

Previews

White Background



This preview shows how the XYZ color 50.9303, 52.4716, 87.5645 looks on a white background.

Color Contrast Check

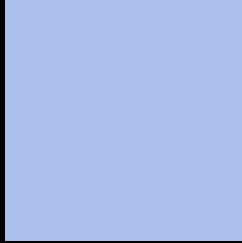
Large Text (above 18pt) WCAG AA × Fail

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 50.9303, 52.4716, 87.5645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

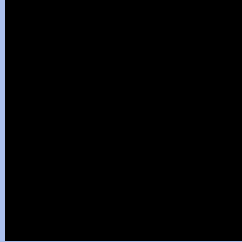
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9303, 52.4716, 87.5645

Background



This preview shows how black text looks on a background with the XYZ color 50.9303, 52.4716, 87.5645.



This preview shows how white text looks on a background with the XYZ color 50.9303, 52.4716,

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

50.9303, 52.4716, 87.5645

Protanopia

52.2490, 52.2171, 85.9224

Deuteranopia

53.4526, 52.1528, 88.1382



Tritanopia

47.3495, 52.3403, 69.8945

Trichromacy



Original Color

50.9303, 52.4716, 87.5645

Protanomaly

51.6852, 52.2302, 86.7142

Deuteranomaly

52.6863, 52.3920, 88.2247

Tritanomaly

48.7147, 52.5755, 75.9872

Monochromacy



Original Color

50.9303, 52.4716, 87.5645

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.7831, 52.0060, 67.0888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9303, 52.4716, 87.5645 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(171, 192, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 237)  
}
```

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(171, 192, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 237) }
```

Border

The CSS property to change the border of an element to XYZ 50.9303, 52.4716, 87.5645 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(171, 192, 237) }
```


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

```
.border{ border-color:rgb(171, 192, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 192, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 192, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 192, 237); box-shadow:4px 4px 4px 4px rgb(171, 192, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9303, 52.4716, 87.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 237) }
```

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

```
.background{ background-color: rgb(171,  
192, 237) }
```

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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