

Converting Colors

XYZ(50.0499, 49.8011, 88.0031)

Have a look what the booklet for
XYZ(50.0499, 49.8011, 88.0031)
contains.

XYZ(50.0152, 49.7552, 87.8566)	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(50.0152, 49.7552,
87.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB9EE
RGB	173, 185, 238
RGB Percent	68%, 73%, 93%
CMY	0.3216, 0.2745, 0.0667
CMYK	0.27, 0.22, 0.00, 0.07
HSL	229°, 66%, 81%
HSV	229°, 27%, 93%
XYZ	50.0152, 49.7552, 87.8566
YIQ	187.4540, -24.1650, 13.9390

Conversions

Conversions Part 2

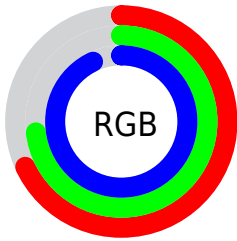
Format	Color
R_{YB}	173, 183, 238
Decimal	11385326
CIE _{Lab}	75.92, 7.47, -27.71
CIE _{LCh}	76, 28.703, 285.078
Yxy	49.7552, 0.2666, 0.2652
Android (android.graphics.Color)	4289575406 (0xFFADB9EE)
YUV	187.4540, 24.9192, -12.6762
Hunter-Lab	70.5374, 3.1268, -24.4715

Details

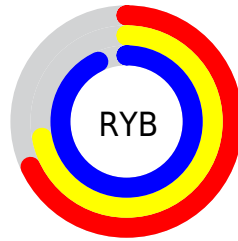
The XYZ color **50.0152, 49.7552, 87.8566** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.0000, 75.5877, 50.4373**, and the grayscale version is **47.3651, 49.8318, 54.2668**.

A 20% lighter version of the original color is **81.8184, 86.7886, 107.0473**, and **24.3025, 23.8019, 47.5693** is the 20% darker color. If you saturate the color by 10%, you get **41.4275, 39.7082, 86.3708**, and if you desaturate by 10%, it is **60.0976, 61.3976, 89.5733**.

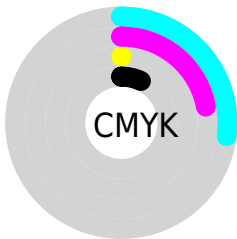
Distribution



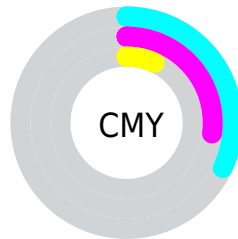
- Red (68%)
- Green (73%)
- Blue (93%)



- Red (68%)
- Yellow (72%)
- Blue (93%)



- Cyan (27%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (32%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0152, 49.7552, 87.8566 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 50.0152, 49.7552, 87.8566 by changing the saturation by 10% instead.

■ 50.0152, 49.7552,
87.8566

■ 50.0152, 49.7552,
87.8566

377.1764,
385.7079, 541.4226

■ 35.6433, 35.2189,
65.6407

■ 89.3891, 89.8121,
146.2669

■ 24.3277, 23.8316,
47.5261

115.1218,
116.1014, 183.2983

■ 15.7029, 15.2087,
33.0944

145.3722,
147.0773, 226.1053

■ 9.4037, 8.9660,
21.9271

180.5056,
183.1241, 275.1064

■ 5.0646, 4.7190,
13.6055

220.8873,
224.6261, 330.7201

■ 2.3204, 2.0834,
7.7112

266.8828,

■ 0.8051, 0.6552,

271.9678, 393.3650

3.8256

318.8574,
325.5336, 463.4597

■ 0.0000, 0.0000,
1.5302

■ 0.0000, 0.0000,
0.2403

■ 50.0152, 49.7552,
87.8566

■ 50.0152, 49.7552,
87.8566

■ 41.4275, 39.7082,
86.3708

■ 60.0976, 61.3976,
89.5733

■ 34.2577, 31.1804,
85.1027

■ 71.7371, 74.6953,
91.5265

■ 28.4291, 24.0982,
84.0429

■ 84.9982, 89.7124,
93.7262

■ 23.8559, 18.3793,
83.1800

■ 92.4328, 98.9531,
95.1180

■ 20.4418, 13.9326,
82.5017

■ 18.0758, 10.6555,
81.9938

■ 16.6180, 8.4246,
81.6401

■ 16.3313, 7.9701,
81.5675

Harmonies

Analogous

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



44.6933, 49.7552, 87.8853



50.0152, 49.7552, 87.8566



54.9480, 49.7552, 77.7318

Triad

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



50.0152, 49.7552, 87.8566



54.9260, 49.7552, 35.8913



38.0385, 49.7552, 46.9434

Complementary

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



50.0152, 49.7552, 87.8566



70.0000, 75.5877, 50.4373

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.



40.3803, 49.7552, 35.9346



50.0152, 49.7552, 87.8566



49.9870, 49.7552, 30.4197

Square

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



50.0152, 49.7552, 87.8566



57.9252, 49.7552, 46.8729



44.6672, 49.7552, 30.4338



38.0448, 49.7552, 62.1986

Rectangle

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



50.0152, 49.7552, 87.8566



57.2374, 49.7552, 67.5490



44.6672, 49.7552, 30.4338



38.5689, 49.7552, 42.6941

Sweetspot

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



50.0168, 49.7572, 87.8577



82.8603, 86.1768, 106.8743



61.4000, 75.4707, 82.5665



17.2743, 17.9201, 22.7984



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.



50.0168, 49.7572, 87.8577



52.4523, 51.1419, 101.7146



52.2427, 47.3337, 87.2727



15.1333, 15.7008, 19.9545



9.1789, 4.5821, 45.5285



0.8287, 0.5114, 3.8092

Inverse Universe

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



58.9618, 51.5687, 52.7471



64.6787, 53.8908, 53.6630



67.1818, 79.1499, 51.2734



15.8920, 15.8065, 16.9874



19.9587, 10.2559, 2.4333



1.6932, 0.8663, 0.3754

Previews

White Background



This preview shows how the XYZ color 50.0152, 49.7552, 87.8566 looks on a white background.

Color Contrast Check

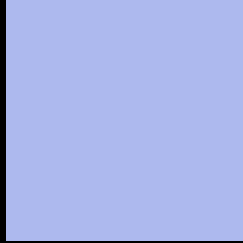
Large Text (above 18pt) WCAG AA × Fail

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 50.0152, 49.7552, 87.8566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

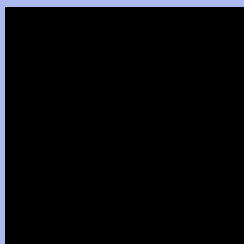
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0152, 49.7552, 87.8566

Background



This preview shows how black text looks on a background with the XYZ color 50.0152, 49.7552, 87.8566.



This preview shows how white text looks on a background with the XYZ color 50.0152, 49.7552,

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

50.0152, 49.7552, 87.8566

Protanopia

50.0152, 49.7552, 87.8566

Deuteranopia

50.7262, 49.5050, 87.7708



Tritanopia

45.4973, 49.8248, 65.6117

Trichromacy



Original Color

50.0152, 49.7552, 87.8566

Protanomaly

50.0152, 49.7552, 87.8566

Deuteranomaly

50.4776, 49.6841, 87.8185

Tritanomaly

47.2147, 49.8922, 73.4713

Monochromacy



Original Color

50.0152, 49.7552, 87.8566

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.9909, 49.5191, 65.4213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0152, 49.7552, 87.8566 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, 185, 238)` looks like.

```
.text, #text, p{  
    color:rgb(173, 185, 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(173, 185, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 185, 238) }
```

Border

The CSS property to change the border of an element to XYZ 50.0152, 49.7552, 87.8566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

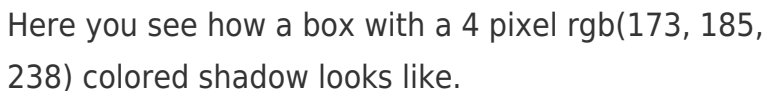
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 185, 238) }
```


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

```
.border{ border-color:rgb(173, 185, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 185, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 185, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 185, 238); box-shadow:4px 4px 4px 4px rgb(173, 185, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0152, 49.7552, 87.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 185, 238) }
```

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

```
.background{ background-color: rgb(173,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor