

Converting Colors

XYZ(49.7656, 50.1378, 87.1376)

Have a look what the booklet for
XYZ(49.7656, 50.1378, 87.1376)
contains.

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Color

**XYZ(49.8510, 50.3130,
87.2047)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBBED
RGB	171, 187, 237
RGB Percent	67%, 73%, 93%
CMY	0.3294, 0.2667, 0.0706
CMYK	0.28, 0.21, 0.00, 0.07
HSL	225°, 65%, 80%
HSV	225°, 28%, 93%
XYZ	49.8510, 50.3130, 87.2047
YIQ	187.9160, -25.5860, 12.1580

Conversions

Conversions Part 2

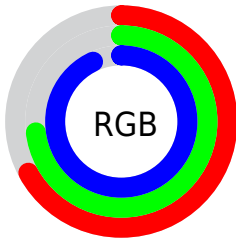
Format	Color
RYB	171, 184, 237
Decimal	11254765
CIELab	76.26, 5.55, -26.66
CIELCh	76, 27.234, 281.757
Yxy	50.3130, 0.2661, 0.2685
Android (android.graphics.Color)	4289444845 (0xFFABBED)
YUV	187.9160, 24.1984, -14.8353
Hunter-Lab	70.9317, 1.3200, -23.2401

Details

The XYZ color **49.8510, 50.3130, 87.2047** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.1330, 72.6584, 48.9632**, and the grayscale version is **47.6310, 50.1116, 54.5715**.

A 20% lighter version of the original color is **81.7791, 87.6521, 107.2161**, and **24.2017, 24.1683, 47.1054** is the 20% darker color. If you saturate the color by 10%, you get **41.5704, 40.7399, 85.7942**, and if you desaturate by 10%, it is **59.5366, 61.3197, 88.8196**.

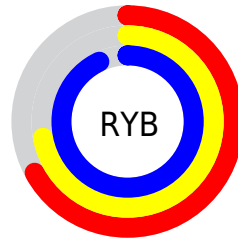
Distribution



Red (67%)

Green (73%)

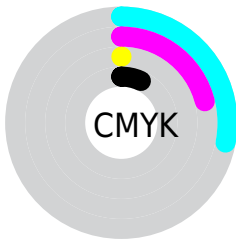
Blue (93%)



Red (67%)

Yellow (72%)

Blue (93%)

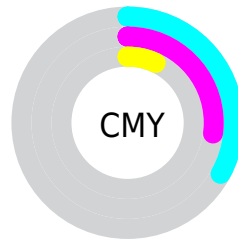


Cyan (28%)

Magenta (21%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8510, 50.3130, 87.2047 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 49.8510, 50.3130, 87.2047 by changing the saturation by 10% instead.

■ 49.8510, 50.3130,
87.2047

■ 49.8510, 50.3130,
87.2047

376.5446,
387.8887, 539.2289

■ 35.5123, 35.6622,
65.1040

■ 89.1472, 90.6385,
145.3508

■ 24.2262, 24.1734,
47.0936

114.8355,
117.0819, 182.2333

■ 15.6271, 15.4623,
32.7547

145.0376,
148.2249, 224.8802

■ 9.3498, 9.1445,
21.6691

180.1191,
184.4520, 273.7100

■ 5.0290, 4.8355,
13.4179

220.4451,
226.1476, 329.1412

■ 2.2992, 2.1511,
7.5829

266.3812,

■ 0.7943, 0.6931,

273.6959, 391.5924

3.7453

318.2925,
327.4815, 461.4821

■ 0.0000, 0.0000,
1.4867

■ 0.0000, 0.0000,
0.2080

■ 49.8510, 50.3130,
87.2047

■ 49.8510, 50.3130,
87.2047

■ 41.5704, 40.7399,
85.7942

■ 59.5366, 61.3197,
88.8196

■ 34.6231, 32.5339,
84.5764

■ 70.6847, 73.8107,
90.6430

■ 28.9378, 25.6319,
83.5439

■ 83.3555, 87.8417,
92.6834

■ 24.4349, 19.9634,
82.6871

■ 92.2862, 98.8945,
94.3461

■ 21.0246, 15.4503,
81.9957

■ 18.6034, 12.0050,
81.4583

■ 17.0362, 9.5196,
81.0612

■ 16.7721, 9.0863,
80.9914

Harmonies

Analogous

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



44.8109, 50.3130, 86.0863



49.8510, 50.3130, 87.2047



54.6670, 50.3130, 78.5670

Triad

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



49.8510, 50.3130, 87.2047



55.5308, 50.3130, 38.0989



39.0838, 50.3130, 46.4377

Complementary

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



49.8510, 50.3130, 87.2047



68.1330, 72.6584, 48.9632

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.



41.5718, 50.3130, 36.3591



49.8510, 50.3130, 87.2047



50.9630, 50.3130, 32.1689

Square

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



49.8510, 50.3130, 87.2047



58.0990, 50.3130, 49.2466



45.8469, 50.3130, 31.5946



38.8328, 50.3130, 60.7180

Rectangle

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



49.8510, 50.3130, 87.2047



57.0088, 50.3130, 69.2051



45.8469, 50.3130, 31.5946



39.6775, 50.3130, 42.5170

Sweetspot

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



49.8526, 50.3150, 87.2059



83.2055, 86.8672, 106.9894



60.0646, 74.4212, 79.2580



17.3606, 18.0928, 22.8272



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.



49.8526, 50.3150, 87.2059



53.4976, 53.2324, 102.0630



50.4665, 45.8699, 86.3155



14.5277, 15.1419, 19.0792



9.2423, 5.1317, 44.2464



0.7990, 0.5495, 3.4988

Inverse Universe

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



58.4590, 50.7198, 53.7246



65.2062, 54.1018, 56.4412



67.3028, 78.8034, 50.1931



15.2152, 15.1139, 16.4185



19.5204, 10.0109, 3.2758



1.5698, 0.8009, 0.4520

Previews

White Background



This preview shows how the XYZ color 49.8510, 50.3130, 87.2047 looks on a white background.

Color Contrast Check

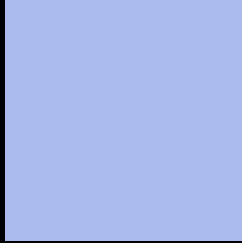
Large Text (above 18pt) WCAG AA × Fail

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 49.8510, 50.3130, 87.2047 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 49.8510, 50.3130, 87.2047

Background



This preview shows how black text looks on a background with the XYZ color 49.8510, 50.3130, 87.2047.



This preview shows how white text looks on a background with the XYZ color 49.8510, 50.3130,

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

49.8510, 50.3130, 87.2047

Protanopia

50.3784, 50.2879, 86.4082

Deuteranopia

51.3955, 50.1573, 87.8614



Tritanopia

45.7519, 50.2527, 66.9629

Trichromacy



Original Color

49.8510, 50.3130, 87.2047

Protanomaly

50.1548, 50.1726, 86.3977

Deuteranomaly

50.9130, 50.2181, 87.8986

Tritanomaly

47.1360, 50.1569, 74.2147

Monochromacy



Original Color

49.8510, 50.3130, 87.2047

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.4152, 50.3678, 65.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8510, 50.3130, 87.2047 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, 187, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 187, 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, 187, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 187, 237) }
```

Border

The CSS property to change the border of an element to XYZ 49.8510, 50.3130, 87.2047 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, 187, 237) }
```


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

```
.border{ border-color:rgb(171, 187, 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, 187, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 187, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 187, 237); box-shadow:4px 4px 4px 4px rgb(171, 187, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8510, 50.3130, 87.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 187, 237) }
```

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

```
.background{ background-color: rgb(171,  
187, 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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