

Converting Colors

XYZ(48.1521, 47.0222, 86.4670)

Have a look what the booklet for
XYZ(48.1521, 47.0222, 86.4670)
contains.

XYZ(48.2007, 47.0126, 86.6546)	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(48.2007, 47.0126,
86.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB3ED
RGB	171, 179, 237
RGB Percent	67%, 70%, 93%
CMY	0.3294, 0.2980, 0.0706
CMYK	0.28, 0.24, 0.00, 0.07
HSL	233°, 65%, 80%
HSV	233°, 28%, 93%
XYZ	48.2007, 47.0126, 86.6546
YIQ	183.2200, -23.3860, 16.3420

Conversions

Conversions Part 2

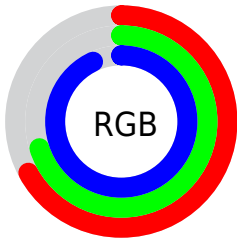
Format	Color
RYB	171, 178, 237
Decimal	11252717
CIELab	74.20, 9.94, -29.83
CIElCh	74, 31.442, 288.435
Yxy	47.0126, 0.2650, 0.2585
Android (android.graphics.Color)	4289442797 (0xFFABB3ED)
YUV	183.2200, 26.5135, -10.7169
Hunter-Lab	68.5657, 5.4928, -26.9357

Details

The XYZ color **48.2007, 47.0126, 86.6546** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.2956, 76.9836, 49.6838**, and the grayscale version is **45.0000, 47.3435, 51.5570**.

A 20% lighter version of the original color is **79.4369, 82.9676, 106.4353**, and **23.1375, 22.0398, 46.7507** is the 20% darker color. If you saturate the color by 10%, you get **39.6302, 36.8597, 85.1474**, and if you desaturate by 10%, it is **58.3302, 58.9072, 88.4174**.

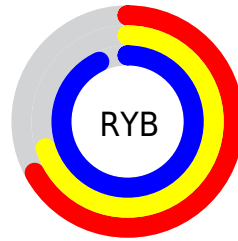
Distribution



Red (67%)

Green (70%)

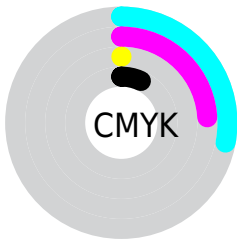
Blue (93%)



Red (67%)

Yellow (70%)

Blue (93%)

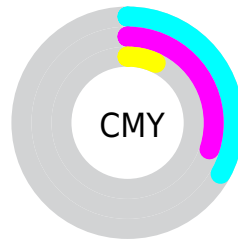


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2007, 47.0126, 86.6546 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 48.2007, 47.0126, 86.6546 by changing the saturation by 10% instead.

■ 48.2007, 47.0126,
86.6546

■ 48.2007, 47.0126,
86.6546

370.1565,
374.8648, 537.3739

■ 34.1978, 33.0456,
64.6514

■ 86.7110, 85.7324,
144.5772

■ 23.2092, 22.1614,
46.7289

111.9492,
111.2541, 181.3338

■ 14.8696, 13.9755,
32.4686

141.6630,
141.3960, 223.8451

■ 8.8136, 8.1037,
21.4519

176.2180,
176.5428, 272.5299

■ 4.6760, 4.1613,
13.2603

215.9795,
217.0786, 327.8067

■ 2.0912, 1.7642,
7.4752

261.3129,

■ 0.6844, 0.4647,

263.3880, 390.0939

3.6781

312.5834,
315.8552, 459.8101

■ 0.0000, 0.0000,
1.4505

■ 0.0000, 0.0000,
0.1806

■ 48.2007, 47.0126,
86.6546

■ 48.2007, 47.0126,
86.6546

■ 39.6302, 36.8597,
85.1474

■ 58.3302, 58.9072,
88.4174

■ 32.5366, 28.3610,
83.8809

■ 70.0864, 72.6144,
90.4435

■ 26.8368, 21.4300,
82.8435

■ 83.5384, 88.2077,
92.7444

■ 22.4380, 15.9697,
82.0214

■ 92.2862, 98.8945,
94.3461

■ 19.2356, 11.8724,
81.3993

■ 17.1085, 9.0151,
80.9599

■ 15.8999, 7.2471,
80.6823

■ 15.7190, 6.9802,
80.6403

Harmonies

Analogous

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



42.5456, 47.0126, 88.0294



48.2007, 47.0126, 86.6546



53.2961, 47.0126, 74.6753

Triad

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



48.2007, 47.0126, 86.6546



52.2697, 47.0126, 31.2954



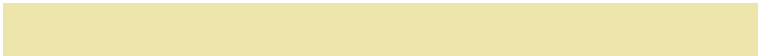
34.8823, 47.0126, 45.2129

Complementary

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



48.2007, 47.0126, 86.6546



70.2956, 76.9836, 49.6838

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.



37.0536, 47.0126, 33.2288



48.2007, 47.0126, 86.6546



46.8930, 47.0126, 26.3981

Square

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



48.2007, 47.0126, 86.6546



55.7782, 47.0126, 41.9849



41.3428, 47.0126, 27.0222



35.1681, 47.0126, 61.6480

Rectangle

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



48.2007, 47.0126, 86.6546



55.5436, 47.0126, 63.4700



41.3428, 47.0126, 27.0222



35.3411, 47.0126, 40.6036

Sweetspot

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



48.2022, 47.0145, 86.6557



82.4844, 85.4249, 106.7490



61.1112, 74.8398, 84.7699



17.1804, 17.7324, 22.7671



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.



48.2022, 47.0145, 86.6557



51.3463, 48.9299, 101.3459



52.4075, 46.8704, 86.4062



14.3783, 14.8430, 19.0294



8.6316, 3.9101, 44.0428



0.7258, 0.4031, 3.4744

Inverse Universe

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



57.6259, 50.3864, 49.3382



64.1204, 53.6675, 50.7233



65.0185, 77.6258, 50.0859



15.1398, 15.0838, 16.0212



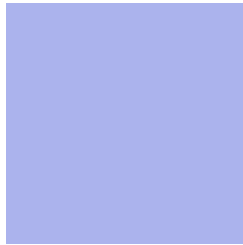
19.2121, 9.8875, 1.6524



1.5328, 0.7861, 0.2574

Previews

White Background



This preview shows how the XYZ color 48.2007, 47.0126, 86.6546 looks on a white background.

Color Contrast Check

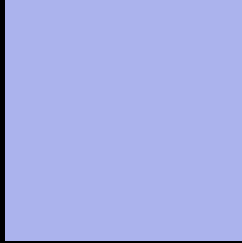
Large Text (above 18pt) WCAG AA × Fail

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 48.2007, 47.0126, 86.6546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

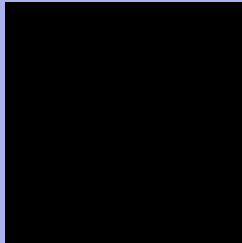
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2007, 47.0126, 86.6546

Background



This preview shows how black text looks on a background with the XYZ color 48.2007, 47.0126, 86.6546.



This preview shows how white text looks on a background with the XYZ color 48.2007, 47.0126,

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

48.2007, 47.0126, 86.6546

Protanopia

47.6902, 47.0311, 87.4533

Deuteranopia

48.2007, 47.0126, 86.6546



Tritanopia

43.2941, 47.1805, 61.4685

Trichromacy



Original Color

48.2007, 47.0126, 86.6546

Protanomaly

47.9023, 47.1404, 87.4632

Deuteranomaly

48.2007, 47.0126, 86.6546

Tritanomaly

44.8801, 46.8866, 69.6354

Monochromacy



Original Color

48.2007, 47.0126, 86.6546

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.0978, 47.3514, 63.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2007, 47.0126, 86.6546 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, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 179, 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, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 179, 237) }
```

Border

The CSS property to change the border of an element to XYZ 48.2007, 47.0126, 86.6546 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, 179, 237) }
```


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

```
.border{ border-color:rgb(171, 179, 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, 179, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 179,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2007, 47.0126, 86.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 179, 237) }
```

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

```
.background{ background-color: rgb(171,  
179, 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](#).

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