

Converting Colors

XYZ(49.0130, 47.1012, 87.5627)

Have a look what the booklet for
XYZ(49.0130, 47.1012, 87.5627)
contains.

XYZ(49.0322, 47.1278, 87.4012)	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(49.0322, 47.1278,
87.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB2EE
RGB	175, 178, 238
RGB Percent	69%, 70%, 93%
CMY	0.3137, 0.3019, 0.0667
CMYK	0.26, 0.25, 0.00, 0.07
HSL	237°, 65%, 81%
HSV	237°, 26%, 93%
XYZ	49.0322, 47.1278, 87.4012
YIQ	183.9430, -21.0480, 18.0240

Conversions

Conversions Part 2

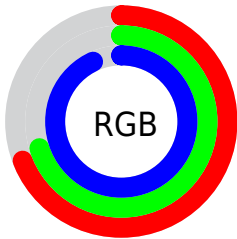
Format	Color
R_{YB}	175, 178, 238
Decimal	11514606
CIE _{Lab}	74.27, 11.91, -30.23
CIE _{LCh}	74, 32.492, 291.494
Yxy	47.1278, 0.2671, 0.2567
Android (android.graphics.Color)	4289704686 (0xFFAFB2EE)
YUV	183.9430, 26.6501, -7.8430
Hunter-Lab	68.6497, 7.3545, -27.4301

Details

The XYZ color **49.0322, 47.1278, 87.4012** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.7068, 80.6894, 52.3015**, and the grayscale version is **45.3957, 47.7598, 52.0104**.

A 20% lighter version of the original color is **80.7515, 83.2214, 106.4150**, and **23.6623, 22.1096, 47.2764** is the 20% darker color. If you saturate the color by 10%, you get **40.0105, 36.3269, 85.7927**, and if you desaturate by 10%, it is **59.7436, 59.9080, 89.3043**.

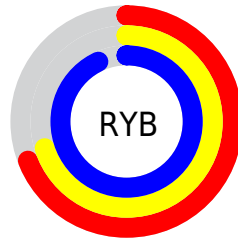
Distribution



Red (69%)

Green (70%)

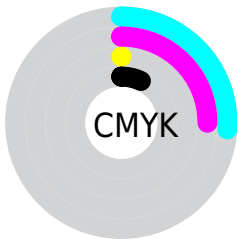
Blue (93%)



Red (69%)

Yellow (70%)

Blue (93%)

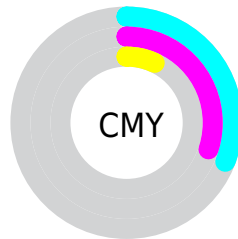


Cyan (26%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0322, 47.1278, 87.4012 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 49.0322, 47.1278, 87.4012 by changing the saturation by 10% instead.

■ 49.0322, 47.1278,
87.4012

■ 49.0322, 47.1278,
87.4012

373.3839,
375.3244, 539.8907

■ 34.8597, 33.1367,
65.2658

■ 87.9397, 85.9044,
145.6270

■ 23.7208, 22.2312,
47.2239

113.4054,
111.4586, 182.5545

■ 15.2503, 14.0269,
32.8571

143.3662,
141.6360, 225.2496

■ 9.0827, 8.1394,
21.7468

178.1874,
176.8210, 274.1311

■ 4.8527, 4.1842,
13.4744

218.2344,
217.3979, 329.6174

■ 2.1950, 1.7772,
7.6215

263.8726,

■ 0.7401, 0.4729,

263.7512, 392.1271

3.7694

315.4673,
316.2652, 462.0787

■ 0.0000, 0.0000,
1.4997

■ 0.0000, 0.0000,
0.2177

■ 49.0322, 47.1278,
87.4012

■ 49.0322, 47.1278,
87.4012

■ 40.0105, 36.3269,
85.7927

■ 59.7436, 59.9080,
89.3043

■ 32.5878, 27.4012,
84.4611

■ 72.2198, 74.7535,
91.5122

■ 26.6721, 20.2452,
83.3917

■ 86.5371, 91.7523,
94.0387

■ 22.1600, 14.7412,
82.5671

■ 92.4328, 98.9531,
95.1178

■ 18.9353, 10.7569,
81.9680

■ 16.8629, 8.1397,
81.5721

■ 15.7766, 6.7046,
81.3523

■ 15.5563, 6.4202,
81.3090

Harmonies

Analogous

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



43.1541, 47.1278, 90.1121



49.0322, 47.1278, 87.4012



54.1611, 47.1278, 74.0362

Triad

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



49.0322, 47.1278, 87.4012



52.1496, 47.1278, 30.0500



34.5868, 47.1278, 46.7058

Complementary

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



49.0322, 47.1278, 87.4012



72.7068, 80.6894, 52.3015

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.



36.5736, 47.1278, 33.7934



49.0322, 47.1278, 87.4012



46.4740, 47.1278, 25.6409

Square

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



49.0322, 47.1278, 87.4012



56.0669, 47.1278, 40.4167



40.8065, 47.1278, 26.8440



35.1427, 47.1278, 64.0130

Rectangle

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



49.0322, 47.1278, 87.4012



56.2997, 47.1278, 62.2057



40.8065, 47.1278, 26.8440



34.9728, 47.1278, 41.7745

Sweetspot

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



49.0338, 47.1297, 87.4023



82.0513, 84.5587, 106.6046



63.2286, 76.2535, 89.8704



17.0724, 17.5164, 22.7311



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.



49.0338, 47.1297, 87.4023



51.1510, 47.7076, 101.1203



55.4879, 49.5802, 87.5351



14.9576, 15.3494, 19.8960



8.7048, 3.6338, 45.3705



0.7453, 0.3445, 3.7814

Inverse Universe

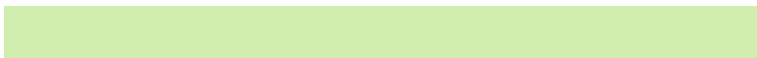
The Inverse Universe completely reimagines the original color for something new.



58.6270, 52.0529, 49.0787



64.2248, 54.4866, 48.8770



64.7923, 77.8955, 52.1794



15.8033, 15.7710, 16.5205



19.7194, 10.1602, 1.1729



1.6511, 0.8495, 0.1537

Previews

White Background



This preview shows how the XYZ color 49.0322, 47.1278, 87.4012 looks on a white background.

Color Contrast Check

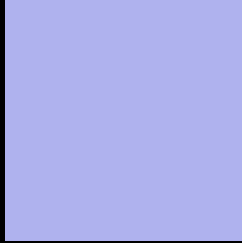
Large Text (above 18pt) WCAG AA × Fail

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 49.0322, 47.1278, 87.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

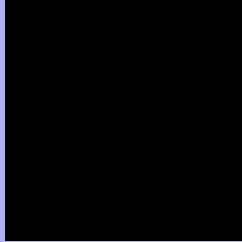
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0322, 47.1278, 87.4012

Background



This preview shows how black text looks on a background with the XYZ color 49.0322, 47.1278, 87.4012.



This preview shows how white text looks on a background with the XYZ color 49.0322, 47.1278,

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

49.0322, 47.1278, 87.4012

Protanopia

47.7753, 47.0408, 88.9998

Deuteranopia

48.3473, 47.0712, 87.4264



Tritanopia

43.7106, 47.0835, 61.4278

Trichromacy



Original Color

49.0322, 47.1278, 87.4012

Protanomaly

48.0623, 46.9072, 88.1822

Deuteranomaly

48.5660, 47.1839, 87.4366

Tritanomaly

45.4431, 46.8570, 70.2675

Monochromacy



Original Color

49.0322, 47.1278, 87.4012

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.6831, 47.6393, 63.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0322, 47.1278, 87.4012 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(175, 178, 238)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 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(175, 178, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.0322, 47.1278, 87.4012 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(175, 178, 238) }
```


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

```
.border{ border-color:rgb(175, 178, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 238);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0322, 47.1278, 87.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 238) }
```

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

```
.background{ background-color: rgb(175,  
178, 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