

Converting Colors

XYZ(48.7177, 47.2365, 90.7516)

Have a look what the booklet for
XYZ(48.7177, 47.2365, 90.7516)
contains.

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Color

**XYZ(48.7247, 47.1971,
90.5463)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB3F2
RGB	170, 179, 242
RGB Percent	67%, 70%, 95%
CMY	0.3333, 0.2980, 0.0510
CMYK	0.30, 0.26, 0.00, 0.05
HSL	232°, 73%, 81%
HSV	232°, 30%, 95%
XYZ	48.7247, 47.1971, 90.5463
YIQ	183.4910, -25.5870, 17.6850

Conversions

Conversions Part 2

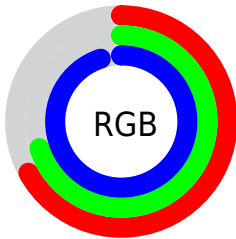
Format	Color
R_{YB}	170, 178, 242
Decimal	11187186
CIE _{Lab}	74.32, 10.87, -32.36
CIE _{LCh}	74, 34.138, 288.575
Yxy	47.1971, 0.2613, 0.2531
Android (android.graphics.Color)	4289377266 (0xFFAAB3F2)
YUV	183.4910, 28.8449, -11.8316
Hunter-Lab	68.7001, 6.3736, -30.0537

Details

The XYZ color **48.7247, 47.1971, 90.5463** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.0134, 80.0580, 49.6364**, and the grayscale version is **45.1372, 47.4878, 51.7142**.

A 20% lighter version of the original color is **79.4369, 82.9676, 106.4353**, and **23.5262, 22.1799, 49.4956** is the 20% darker color. If you saturate the color by 10%, you get **40.0439, 36.8992, 89.0169**, and if you desaturate by 10%, it is **59.0232, 59.2984, 92.3401**.

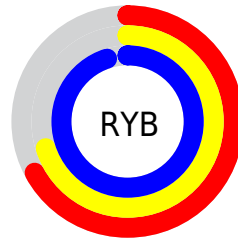
Distribution



Red (67%)

Green (70%)

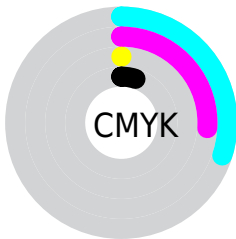
Blue (95%)



Red (67%)

Yellow (70%)

Blue (95%)

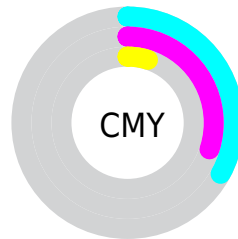


Cyan (30%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (30%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7247, 47.1971, 90.5463 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 48.7247, 47.1971, 90.5463 by changing the saturation by 10% instead.

■ 48.7247, 47.1971,
90.5463

■ 48.7247, 47.1971,
90.5463

372.1925,
375.6007, 550.4222

■ 34.6148, 33.1915,
67.8576

■ 87.4856, 86.0078,
150.0391

■ 23.5314, 22.2732,
49.3159

112.8673,
111.5816, 187.6803

■ 15.1092, 14.0578,
34.5028

142.7370,
141.7803, 231.1427

■ 8.9829, 8.1609,
22.9996

177.4600,
176.9883, 280.8449

■ 4.7871, 4.1980,
14.3879

217.4017,
217.5899, 337.2054

■ 2.1563, 1.7850,
8.2491

262.9275,

■ 0.7196, 0.4778,

263.9696, 400.6428

4.1647

314.4026,
316.5117, 471.5756

■ 0.0000, 0.0000,
1.7161

■ 0.0000, 0.0000,
0.3718

■ 48.7247, 47.1971,
90.5463

■ 48.7247, 47.1971,
90.5463

■ 40.0439, 36.8992,
89.0169

■ 59.0232, 59.2984,
92.3401

■ 32.8937, 28.3126,
87.7364

■ 71.0113, 73.2783,
94.4067

■ 27.1855, 21.3455,
86.6925

■ 84.7623, 89.2143,
96.7579

■ 22.8200, 15.8949,
85.8705

■ 93.0272, 99.1909,
98.2479

■ 19.6850, 11.8460,
85.2542

■ 17.6492, 9.0670,
84.8251

■ 16.5190, 7.3833,
84.5597

■ 16.4979, 7.3522,
84.5548

Harmonies

Analogous

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



42.5621, 47.1971, 92.1471



48.7247, 47.1971, 90.5463



54.3030, 47.1971, 77.1525

Triad

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



48.7247, 47.1971, 90.5463



53.1295, 47.1971, 29.9845



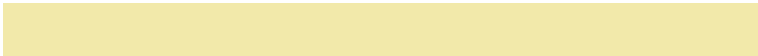
34.2577, 47.1971, 44.9812

Complementary

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



48.7247, 47.1971, 90.5463



73.0134, 80.0580, 49.6364

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.



36.5796, 47.1971, 32.1141



48.7247, 47.1971, 90.5463



47.2380, 47.1971, 24.8699

Square

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



48.7247, 47.1971, 90.5463



57.0017, 47.1971, 41.3577



41.2042, 47.1971, 25.5484



34.5769, 47.1971, 62.9253

Rectangle

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



48.7247, 47.1971, 90.5463



56.7665, 47.1971, 64.7507



41.2042, 47.1971, 25.5484



34.7459, 47.1971, 40.0059

Sweetspot

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



48.7263, 47.1989, 90.5474



81.0301, 83.7544, 106.5032



62.9533, 77.9003, 88.3615



16.8916, 17.4013, 22.7184



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.



48.7263, 47.1989, 90.5474



48.4622, 45.5616, 100.8478



53.2723, 46.9514, 90.2600



15.0565, 15.5471, 19.9289



8.9153, 4.0548, 45.4406



0.7924, 0.4387, 3.7971

Inverse Universe

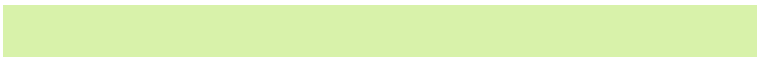
The Inverse Universe completely reimagines the original color for something new.



59.1307, 50.8829, 49.3546



62.0788, 50.6079, 46.8871



67.2099, 80.9457, 50.1136



15.8532, 15.7910, 16.7831



19.8256, 10.2027, 1.7325



1.6749, 0.8590, 0.2789

Previews

White Background



This preview shows how the XYZ color 48.7247, 47.1971, 90.5463 looks on a white background.

Color Contrast Check

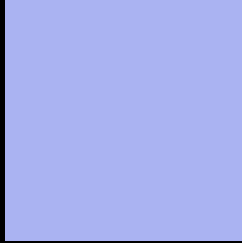
Large Text (above 18pt) WCAG AA × Fail

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 48.7247, 47.1971, 90.5463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

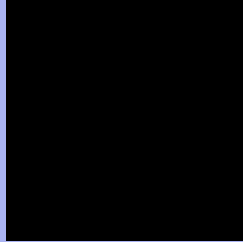
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7247, 47.1971, 90.5463

Background



This preview shows how black text looks on a background with the XYZ color 48.7247, 47.1971, 90.5463.



This preview shows how white text looks on a background with the XYZ color 48.7247, 47.1971,

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

48.7247, 47.1971, 90.5463

Protanopia

48.0160, 47.1129, 91.3570

Deuteranopia

48.4967, 47.3782, 90.5932



Tritanopia

43.0109, 47.3348, 62.1279

Trichromacy



Original Color

48.7247, 47.1971, 90.5463

Protanomaly

48.4353, 47.3291, 91.3766

Deuteranomaly

48.7105, 47.4883, 90.6032

Tritanomaly

44.8450, 47.1314, 71.6994

Monochromacy



Original Color

48.7247, 47.1971, 90.5463

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.9871, 47.2805, 63.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7247, 47.1971, 90.5463 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(170, 179, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 242)  
}
```

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(170, 179, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 242) }
```

Border

The CSS property to change the border of an element to XYZ 48.7247, 47.1971, 90.5463 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(170, 179, 242) }
```


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

```
.border{ border-color:rgb(170, 179, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7247, 47.1971, 90.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 242) }
```

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

```
.background{ background-color: rgb(170,  
179, 242) }
```

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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