

Converting Colors

XYZ(50.3497, 47.2103,
101.0665)

Have a look what the booklet for
XYZ(50.3497, 47.2103, 101.0665)
contains.

XYZ(50.3497, 47.2103, 101.0665)	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(50.3497, 47.2103,
101.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB1FF
RGB	170, 177, 255
RGB Percent	67%, 69%, 100%
CMY	0.3333, 0.3059, 0.0000
CMYK	0.33, 0.31, 0.00, 0.00
HSL	235°, 100%, 83%
HSV	235°, 33%, 100%
XYZ	50.3497, 47.2103, 101.0665
YIQ	183.7990, -29.2100, 22.7740

Conversions

Conversions Part 2

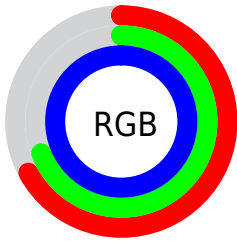
Format	Color
R _Y B	170, 176, 255
Decimal	11186687
CIE Lab	74.32, 15.24, -39.36
CIE LCh	74, 42.210, 291.162
Yxy	47.2103, 0.2535, 0.2377
Android (android.graphics.Color)	4289376767 (0xFFAAB1FF)
YUV	183.7990, 35.1021, -12.1017
Hunter-Lab	68.7098, 10.5606, -39.1140

Details

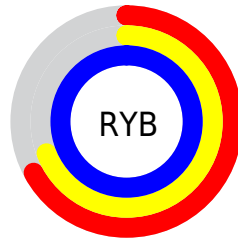
The XYZ color **50.3497, 47.2103, 101.0665** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.0637, 91.2976, 51.3291**, and the grayscale version is **45.2745, 47.6323, 51.8716**.

A 20% lighter version of the original color is **78.8675, 81.8287, 106.2455**, and **24.5969, 22.3893, 56.4512** is the 20% darker color. If you saturate the color by 10%, you get **41.1300, 36.1752, 99.4225**, and if you desaturate by 10%, it is **61.4339, 60.3850, 103.0253**.

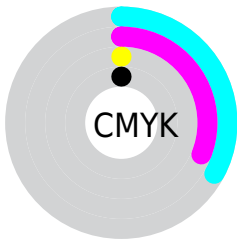
Distribution



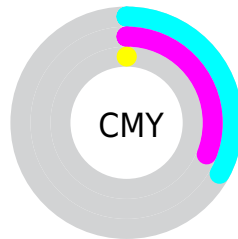
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3497, 47.2103, 101.0665 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 50.3497, 47.2103, 101.0665 by changing the saturation by 10% instead.

■ 50.3497, 47.2103,
101.0665

■ 50.3497, 47.2103,
101.0665

378.4613,
375.6533, 584.8824

■ 35.9103, 33.2019,
76.5697

■ 89.8815, 86.0274,
164.6867

■ 24.5347, 22.2812,
56.3903

115.7046,
111.6050, 204.6471

■ 15.8576, 14.0637,
40.1098

146.0530,
141.8078, 250.5991

■ 9.5137, 8.1650,
27.3098

181.2920,
177.0201, 302.9613

■ 5.1375, 4.2007,
17.5715

221.7870,
217.6265, 362.1522

■ 2.3637, 1.7864,
10.4765

267.9033,

■ 0.8270, 0.4787,

264.0112, 428.5903

5.6063

320.0063,
316.5587, 502.6942

■ 0.0000, 0.0000,
2.5423

■ 0.0000, 0.0000,
0.8625

■ 50.3497, 47.2103,
101.0665

■ 50.3497, 47.2103,
101.0665

■ 41.1300, 36.1752,
99.4225

■ 61.4339, 60.3850,
103.0253

■ 33.6680, 27.1616,
98.0760

■ 74.4728, 75.7985,
105.3132

■ 27.8526, 20.0479,
97.0094

■ 89.5561, 93.5502,
107.9446

■ 23.5583, 14.6974,
96.2030

95.0500, 100.0000,
108.9000

■ 20.6416, 10.9549,
95.6343

■ 18.9305, 8.6378,
95.2772

■ 18.3181, 7.7563,
95.1394

Harmonies

Analogous

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



42.6668, 47.2103, 104.7554



50.3497, 47.2103, 101.0665



57.2272, 47.2103, 82.3246

Triad

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



50.3497, 47.2103, 101.0665



54.6611, 47.2103, 25.2362



31.9403, 47.2103, 45.2458

Complementary

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



50.3497, 47.2103, 101.0665



82.0637, 91.2976, 51.3291

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.



34.4368, 47.2103, 29.3945



50.3497, 47.2103, 101.0665



47.1519, 47.2103, 20.1762

Square

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



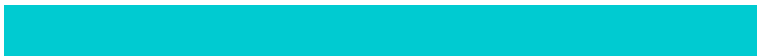
50.3497, 47.2103, 101.0665



59.9050, 47.2103, 37.7428



39.8067, 47.2103, 21.4470



32.5912, 47.2103, 68.0181

Rectangle

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



50.3497, 47.2103, 101.0665



60.1508, 47.2103, 66.1160



39.8067, 47.2103, 21.4470



32.4278, 47.2103, 39.0543

Sweetspot

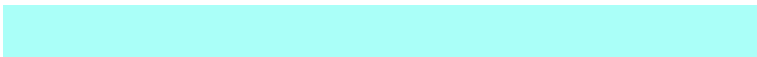
The Sweet Spot groups the original color and five complimentary colors.



50.3512, 47.2120, 101.0668



79.2670, 81.4486, 106.1511



69.2688, 86.8386, 101.8501



16.5276, 16.9164, 22.6440



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.



50.3512, 47.2120, 101.0668



44.0017, 39.6220, 99.9364



57.7180, 49.0097, 101.0255



17.1232, 17.6180, 22.7481



9.6131, 4.1358, 49.7262



0.9753, 0.4813, 4.8548

Inverse Universe

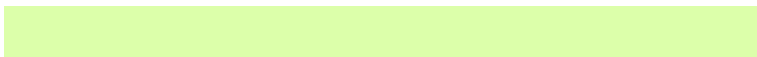
The Inverse Universe completely reimagines the original color for something new.



63.5516, 53.1854, 48.5129



59.0996, 46.6298, 39.7888



72.4058, 89.5734, 51.5053



18.0701, 18.0113, 18.9862



21.6405, 11.1455, 1.4912



2.1269, 1.0931, 0.2496

Previews

White Background



This preview shows how the XYZ color 50.3497, 47.2103, 101.0665 looks on a white background.

Color Contrast Check

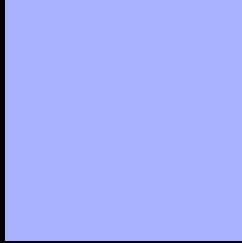
Large Text (above 18pt) WCAG AA × Fail

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 50.3497, 47.2103, 101.0665 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 50.3497, 47.2103, 101.0665

Background



This preview shows how black text looks on a background with the XYZ color 50.3497, 47.2103, 101.0665.



This preview shows how white text looks on a background with the XYZ color 50.3497, 47.2103,

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

50.3497, 47.2103, 101.0665

Protanopia

48.8685, 47.3361, 101.1689

Deuteranopia

48.3112, 47.0674, 100.3046



Tritanopia

42.5315, 47.0740, 62.7217

Trichromacy



Original Color

50.3497, 47.2103, 101.0665

Protanomaly

49.4799, 47.3527, 101.1399

Deuteranomaly

48.9098, 47.0773, 100.2749

Tritanomaly

44.8849, 46.7688, 75.0682

Monochromacy



Original Color

50.3497, 47.2103, 101.0665

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.7471, 47.2846, 67.6358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3497, 47.2103, 101.0665 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, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 255)  
}
```

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, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.3497, 47.2103, 101.0665 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, 177, 255) }
```


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

```
.border{ border-color:rgb(170, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3497, 47.2103, 101.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 255) }
```

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

```
.background{ background-color: rgb(170,  
177, 255) }
```

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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