

Converting Colors

XYZ(47.8631, 48.1708, 96.2862)

Have a look what the booklet for
XYZ(47.8631, 48.1708, 96.2862)
contains.

XYZ(47.9497, 48.1885, 96.3966)	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(47.9497, 48.1885,
96.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB8F9
RGB	156, 184, 249
RGB Percent	61%, 72%, 98%
CMY	0.3882, 0.2784, 0.0235
CMYK	0.37, 0.26, 0.00, 0.02
HSL	222°, 89%, 79%
HSV	222°, 37%, 98%
XYZ	47.9497, 48.1885, 96.3966
YIQ	183.0380, -37.5530, 14.2790

Conversions

Conversions Part 2

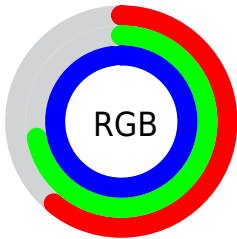
Format	Color
R _Y B	156, 178, 249
Decimal	10270969
CIE Lab	74.94, 6.03, -35.24
CIE LCh	75, 35.756, 279.716
Yxy	48.1885, 0.2490, 0.2503
Android (android.graphics.Color)	4288461049 (0xFF9CB8F9)
YUV	183.0380, 32.5193, -23.7123
Hunter-Lab	69.4179, 1.8156, -33.7400

Details

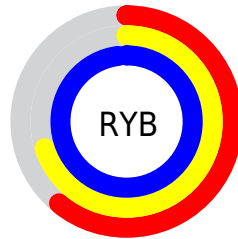
The XYZ color **47.9497, 48.1885, 96.3966** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.9253, 74.2542, 42.0487**, and the grayscale version is **44.8741, 47.2110, 51.4128**.

A 20% lighter version of the original color is **76.6507, 83.6863, 106.7209**, and **22.9976, 22.8051, 53.0589** is the 20% darker color. If you saturate the color by 10%, you get **40.2208, 39.1644, 95.0630**, and if you desaturate by 10%, it is **57.1142, 58.6149, 97.9270**.

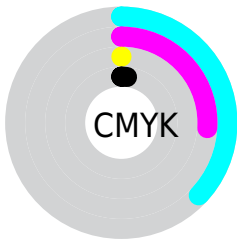
Distribution



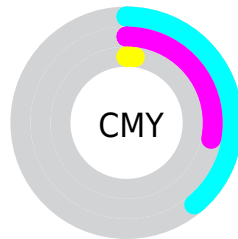
- Red (61%)
- Green (72%)
- Blue (98%)



- Red (61%)
- Yellow (70%)
- Blue (98%)



- Cyan (37%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)



- Cyan (39%)
- Magenta (28%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9497, 48.1885, 96.3966 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 47.9497, 48.1885, 96.3966 by changing the saturation by 10% instead.

■ 47.9497, 48.1885,
96.3966

■ 47.9497, 48.1885,
96.3966

369.1786,
379.5388, 569.7246

■ 33.9981, 33.9762,
72.6946

■ 86.3397, 87.4850,
158.2048

■ 23.0551, 22.8753,
53.2360

■ 111.5088,
113.3380, 197.1481

■ 14.7551, 14.5015,
37.6022

141.1478,
143.8399, 242.0089

■ 8.7329, 8.4703,
25.3746

175.6220,
179.3753, 293.2058

■ 4.6231, 4.3973,
16.1348

215.2969,
220.3285, 351.1572

■ 2.0603, 1.8982,
9.4642

260.5377,

■ 0.6675, 0.5473,

267.0839, 416.2818

4.9443

311.7098,
320.0259, 488.9981

■ 0.0000, 0.0000,
2.1564

■ 0.0000, 0.0000,
0.6491

■ 47.9497, 48.1885,
96.3966

■ 47.9497, 48.1885,
96.3966

■ 40.2208, 39.1644,
95.0630

■ 57.1142, 58.6149,
97.9270

■ 33.8458, 31.4735,
93.9145

■ 67.7803, 70.4973,
99.6583

■ 28.7418, 25.0490,
92.9435

■ 80.0156, 83.8931,
101.5991

■ 24.8140, 19.8149,
92.1402

■ 93.6592, 98.7400,
103.7457

■ 21.9529, 15.6858,
91.4940

■ 94.0990, 99.6196,
103.8923

■ 20.0200, 12.5588,
90.9923

■ 19.6130, 11.8675,
90.8803

Harmonies

Analogous

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



41.5928, 48.1885, 93.8527



47.9497, 48.1885, 96.3966



54.2862, 48.1885, 85.2061

Triad

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



47.9497, 48.1885, 96.3966



56.1348, 48.1885, 32.7127



35.0228, 48.1885, 40.9833

Complementary

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



47.9497, 48.1885, 96.3966



70.9253, 74.2542, 42.0487

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.



38.2508, 48.1885, 29.4184



47.9497, 48.1885, 96.3966



50.2855, 48.1885, 25.4886

Square

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



47.9497, 48.1885, 96.3966



59.2992, 48.1885, 46.6413



43.7189, 48.1885, 24.4458



34.5256, 48.1885, 58.7631

Rectangle

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



47.9497, 48.1885, 96.3966



57.4996, 48.1885, 72.7313



43.7189, 48.1885, 24.4458



35.8088, 48.1885, 36.3698

Sweetspot

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



47.9513, 48.1903, 96.3977



79.5344, 83.1860, 106.4723



60.4461, 79.9639, 79.6482



16.6452, 17.3913, 22.7295



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.



47.9513, 48.1903, 96.3977



44.1982, 43.3988, 100.6551



46.2336, 39.5083, 94.8125



16.7090, 17.4949, 21.8815



10.6067, 6.5689, 48.6824



1.0710, 0.7856, 4.5384

Inverse Universe

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



59.6085, 47.3791, 51.3526



58.3728, 43.1766, 45.7111



73.1401, 87.3002, 44.4500



17.4597, 17.3112, 19.0104



21.6458, 11.0740, 4.8432



2.0495, 1.0435, 0.6841

Previews

White Background



This preview shows how the XYZ color 47.9497, 48.1885, 96.3966 looks on a white background.

Color Contrast Check

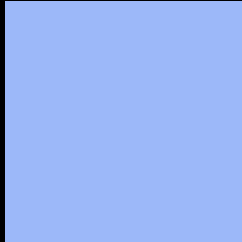
Large Text (above 18pt) WCAG AA × Fail

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 47.9497, 48.1885, 96.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

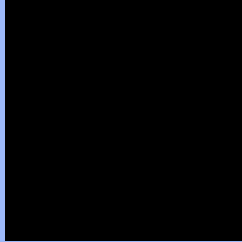
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

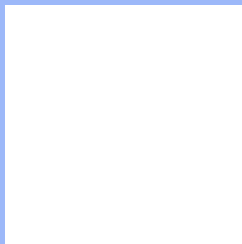
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9497, 48.1885, 96.3966

Background



This preview shows how black text looks on a background with the XYZ color 47.9497, 48.1885, 96.3966.



This preview shows how white text looks on a background with the XYZ color 47.9497, 48.1885,

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

47.9497, 48.1885, 96.3966

Protanopia

49.0335, 48.1706, 94.7092

Deuteranopia

49.5003, 48.3574, 97.1674



Tritanopia

41.9662, 48.3153, 66.1454

Trichromacy



Original Color

47.9497, 48.1885, 96.3966

Protanomaly

48.7771, 48.3257, 95.5639

Deuteranomaly

49.0891, 48.4505, 97.2071

Tritanomaly

43.9601, 48.1531, 76.0848

Monochromacy



Original Color

47.9497, 48.1885, 96.3966

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4296, 47.2562, 65.7584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9497, 48.1885, 96.3966 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(156, 184, 249)` looks like.

```
.text, #text, p{  
    color:rgb(156, 184, 249)  
}
```

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(156, 184, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 184, 249) }
```

Border

The CSS property to change the border of an element to XYZ 47.9497, 48.1885, 96.3966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

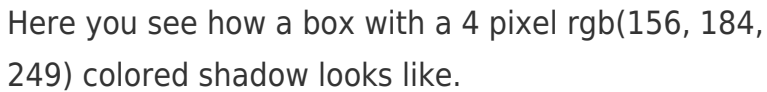
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 184, 249) }
```


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

```
.border{ border-color:rgb(156, 184, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 184, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 184, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 184, 249);  
box-shadow:4px 4px 4px 4px rgb(156, 184,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9497, 48.1885, 96.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 184, 249) }
```

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

```
.background{ background-color: rgb(156,  
184, 249) }
```

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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