

Converting Colors

XYZ(47.5042, 48.2691, 94.2580)

Have a look what the booklet for
XYZ(47.5042, 48.2691, 94.2580)
contains.

XYZ(47.5011, 48.3203, 94.0120)	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(47.5011, 48.3203,
94.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB9F6
RGB	155, 185, 246
RGB Percent	61%, 73%, 96%
CMY	0.3921, 0.2745, 0.0353
CMYK	0.37, 0.25, 0.00, 0.04
HSL	220°, 83%, 79%
HSV	220°, 37%, 96%
XYZ	47.5011, 48.3203, 94.0120
YIQ	182.9840, -37.4610, 12.6110

Conversions

Conversions Part 2

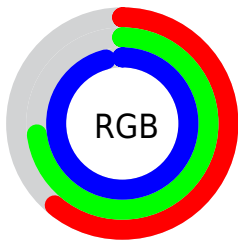
Format	Color
RYB	155, 178, 246
Decimal	10205686
CIELab	75.03, 4.43, -33.50
CIELCh	75, 33.795, 277.536
Yxy	48.3203, 0.2502, 0.2545
Android (android.graphics.Color)	4288395766 (0xFF9BB9F6)
YUV	182.9840, 31.0669, -24.5420
Hunter-Lab	69.5128, 0.3293, -31.5273

Details

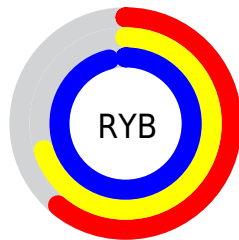
The XYZ color **47.5011, 48.3203, 94.0120** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.4795, 71.0725, 41.1212**, and the grayscale version is **44.8521, 47.1879, 51.3877**.

A 20% lighter version of the original color is **76.6567, 84.1276, 106.8058**, and **22.6921, 22.8860, 51.3655** is the 20% darker color. If you saturate the color by 10%, you get **40.0003, 39.6268, 92.7302**, and if you desaturate by 10%, it is **56.3670, 58.3135, 95.4745**.

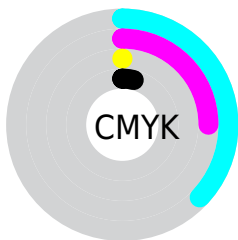
Distribution



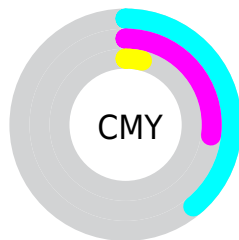
- Red (61%)
- Green (73%)
- Blue (96%)



- Red (61%)
- Yellow (70%)
- Blue (96%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (39%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5011, 48.3203, 94.0120 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 47.5011, 48.3203, 94.0120 by changing the saturation by 10% instead.

■ 47.5011, 48.3203,
94.0120

■ 47.5011, 48.3203,
94.0120

367.4268,
380.0603, 561.9005

■ 33.6416, 34.0806,
70.7206

■ 85.6753, 87.6811,
154.8827

■ 22.7800, 22.9555,
51.6338

■ 110.7207,
113.5710, 193.2992

■ 14.5509, 14.5607,
36.3330

140.2255,
144.1131, 237.5944

■ 8.5891, 8.5116,
24.3998

174.5549,
179.6918, 288.1868

■ 4.5291, 4.4240,
15.4155

214.0744,
220.6915, 345.4951

■ 2.0056, 1.9135,
8.9617

259.1493,

■ 0.6371, 0.5565,

267.4965, 409.9378

4.6197

310.1450,
320.4913, 481.9334

■ 0.0000, 0.0000,
1.9711

■ 0.0000, 0.0000,
0.5374

■ 47.5011, 48.3203,
94.0120

■ 47.5011, 48.3203,
94.0120

■ 40.0003, 39.6268,
92.7302

■ 56.3670, 58.3135,
95.4745

■ 33.7873, 32.1700,
91.6183

■ 66.6598, 69.6544,
97.1210

■ 28.7841, 25.8892,
90.6697

■ 78.4433, 82.3955,
98.9592

■ 24.9015, 20.7160,
89.8758

■ 91.7761, 96.5843,
100.9952

■ 22.0364, 16.5727,
89.2271

■ 93.6347, 99.4339,
101.4473

■ 20.0602, 13.3672,
88.7125

■ 19.5846, 12.5536,
88.5806

Harmonies

Analogous

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



41.5399, 48.3203, 90.6866



47.5011, 48.3203, 94.0120



53.5436, 48.3203, 84.4282

Triad

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



47.5011, 48.3203, 94.0120



55.9951, 48.3203, 34.5029



35.8096, 48.3203, 40.6649

Complementary

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



47.5011, 48.3203, 94.0120



68.4795, 71.0725, 41.1212

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.



39.0693, 48.3203, 30.0012



47.5011, 48.3203, 94.0120



50.6125, 48.3203, 27.0392

Square

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



47.5011, 48.3203, 94.0120



58.7254, 48.3203, 48.2797



44.3881, 48.3203, 25.5992



35.1379, 48.3203, 57.1972

Rectangle

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



47.5011, 48.3203, 94.0120



56.6854, 48.3203, 73.0463



44.3881, 48.3203, 25.5992



36.6239, 48.3203, 36.3963

Sweetspot

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



47.5027, 48.3221, 94.0131



79.7651, 83.6473, 106.5492



58.8263, 77.8219, 76.6621



16.6999, 17.5007, 22.7478



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.



47.5027, 48.3221, 94.0131



45.6218, 45.5993, 101.0048



44.9712, 38.6630, 92.2822



16.0274, 16.8191, 20.9442



10.5674, 6.9285, 47.3184



1.0190, 0.7893, 4.1889

Inverse Universe

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



58.4858, 46.5400, 51.8013



59.2492, 44.1316, 48.4630



71.7746, 85.2404, 43.6823



16.7244, 16.5726, 18.2953



21.1384, 10.7988, 5.4373



1.9034, 0.9673, 0.7176

Previews

White Background



This preview shows how the XYZ color 47.5011, 48.3203, 94.0120 looks on a white background.

Color Contrast Check

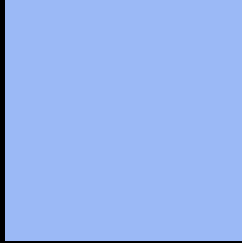
Large Text (above 18pt) WCAG AA × Fail

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 47.5011, 48.3203, 94.0120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

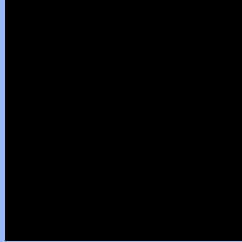
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5011, 48.3203, 94.0120

Background



This preview shows how black text looks on a background with the XYZ color 47.5011, 48.3203, 94.0120.



This preview shows how white text looks on a background with the XYZ color 47.5011, 48.3203,

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

47.5011, 48.3203, 94.0120

Protanopia

48.9934, 48.2030, 92.3098

Deuteranopia

49.4528, 48.3868, 94.7288



Tritanopia

41.9662, 48.3153, 66.1454

Trichromacy



Original Color

47.5011, 48.3203, 94.0120

Protanomaly

48.5192, 48.2461, 93.1414

Deuteranomaly

48.8262, 48.3689, 94.7584

Tritanomaly

43.6432, 48.0052, 75.3723

Monochromacy



Original Color

47.5011, 48.3203, 94.0120

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.5146, 47.6214, 65.1855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5011, 48.3203, 94.0120 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(155, 185, 246)` looks like.

```
.text, #text, p{  
    color:rgb(155, 185, 246)  
}
```

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(155, 185, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 185, 246) }
```

Border

The CSS property to change the border of an element to XYZ 47.5011, 48.3203, 94.0120 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(155, 185, 246) }
```


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

```
.border{ border-color:rgb(155, 185, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 185, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 185, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 185, 246);  
box-shadow:4px 4px 4px 4px rgb(155, 185,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5011, 48.3203, 94.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 185, 246) }
```

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

```
.background{ background-color: rgb(155,  
185, 246) }
```

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