

Converting Colors

XYZ(48.4209, 42.0136, 90.3523)

Have a look what the booklet for
XYZ(48.4209, 42.0136, 90.3523)
contains.

XYZ(48.4510, 42.0281, 90.3526)	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(48.4510, 42.0281,
90.3526)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A1F3
RGB	183, 161, 243
RGB Percent	72%, 63%, 95%
CMY	0.2823, 0.3686, 0.0471
CMYK	0.25, 0.34, 0.00, 0.05
HSL	256°, 77%, 79%
HSV	256°, 34%, 95%
XYZ	48.4510, 42.0281, 90.3526
YIQ	176.9260, -13.2100, 30.1660

Conversions

Conversions Part 2

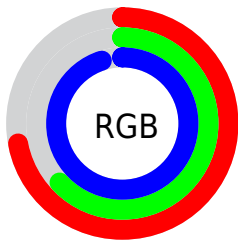
Format	Color
R _Y B	183, 161, 243
Decimal	12034547
CIE Lab	70.89, 24.89, -38.13
CIE LCh	71, 45.535, 303.133
Yxy	42.0281, 0.2679, 0.2324
Android (android.graphics.Color)	4290224627 (0xFFB7A1F3)
YUV	176.9260, 32.5745, 5.3269
Hunter-Lab	64.8291, 19.9538, -37.2524

Details

The XYZ color **48.4510, 42.0281, 90.3526** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.3034, 82.0474, 45.9566**, and the grayscale version is **41.5918, 43.7578, 47.6523**.

A 20% lighter version of the original color is **78.5410, 74.8570, 104.9170**, and **23.2337, 19.0716, 48.9110** is the 20% darker color. If you saturate the color by 10%, you get **40.6448, 32.3015, 88.8873**, and if you desaturate by 10%, it is **57.6196, 53.6838, 92.1199**.

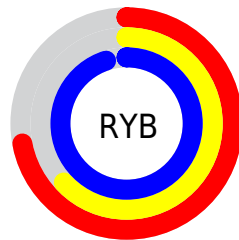
Distribution



Red (72%)

Green (63%)

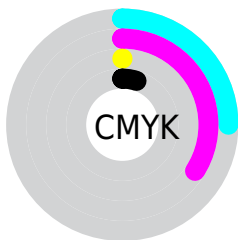
Blue (95%)



Red (72%)

Yellow (63%)

Blue (95%)

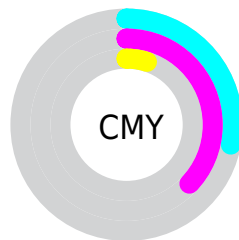


Cyan (25%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (28%)


Magenta (37%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4510, 42.0281, 90.3526 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 48.4510, 42.0281, 90.3526 by changing the saturation by 10% instead.


 48.4510, 42.0281,
90.3526


 48.4510, 42.0281,
90.3526


371.1299,
354.5994, 549.7768

 34.3969, 29.1233,
67.6978


 87.0812, 78.2422,
149.7679

 23.3630, 19.1741,
49.1867


 112.3879,
102.3202, 187.3654

 14.9840, 11.7962,
34.4010


142.1763,
130.8914, 230.7809

 8.8944, 6.6050,
22.9220

176.8117,
164.3403, 280.4329

 4.7289, 3.2163,
14.3311

216.6594,
203.0511, 336.7399

 2.1222, 1.2457,
8.2100

262.0847,

 0.7012, 0.0986,

247.4083, 400.1206

4.1399

313.4531,
297.7963, 470.9934

■ 0.0000, 0.0000,
1.7024

■ 0.0000, 0.0000,
0.3624

■ 48.4510, 42.0281,
90.3526

■ 48.4510, 42.0281,
90.3526

■ 40.6448, 32.3015,
88.8873

■ 57.6196, 53.6838,
92.1199

■ 34.1286, 24.3927,
87.7042

■ 68.2091, 67.3614,
94.2018

■ 28.8301, 18.1866,
86.7856

■ 80.2798, 83.1539,
96.6138

■ 24.6671, 13.5527,
86.1106

■ 92.8566, 99.0856,
99.0261

■ 21.5464, 10.3404,
85.6550

■ 93.1778, 99.2511,
99.0411

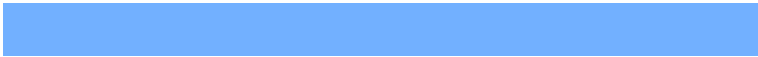
■ 19.3575, 8.3682,
85.3897

■ 18.3708, 7.6016,
85.2937

Harmonies

Analogous

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



40.7480, 42.0281, 101.3505



48.4510, 42.0281, 90.3526



54.4042, 42.0281, 67.3280

Triad

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



48.4510, 42.0281, 90.3526



46.8994, 42.0281, 17.7189



27.0929, 42.0281, 48.0798

Complementary

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



48.4510, 42.0281, 90.3526



68.3034, 82.0474, 45.9566

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.



28.3079, 42.0281, 29.3755



48.4510, 42.0281, 90.3526



39.1555, 42.0281, 15.4624

Square

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



48.4510, 42.0281, 90.3526



53.4318, 42.0281, 26.5334



32.5003, 42.0281, 18.9581



28.9455, 42.0281, 72.5675

Rectangle

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



48.4510, 42.0281, 90.3526



56.2282, 42.0281, 50.9344



32.5003, 42.0281, 18.9581



27.1569, 42.0281, 40.9512

Sweetspot

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



48.4525, 42.0298, 90.3536



80.9134, 81.4271, 106.0601



56.7686, 65.8328, 94.5097



16.9228, 16.9118, 22.6223



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.



48.4525, 42.0298, 90.3536



48.3490, 39.7498, 99.7319



59.6229, 47.7884, 90.8763



15.9982, 16.1417, 20.8150



10.1915, 4.2282, 46.8170



0.9896, 0.4200, 4.1191

Inverse Universe

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



62.7593, 49.7664, 74.7057



66.5840, 49.6236, 79.2016



57.3383, 76.3947, 45.4435



17.0128, 16.6880, 19.8138



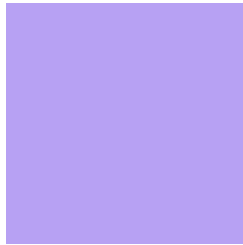
24.7448, 12.2414, 24.4283



2.2174, 1.0929, 2.3714

Previews

White Background



This preview shows how the XYZ color 48.4510, 42.0281, 90.3526 looks on a white background.

Color Contrast Check

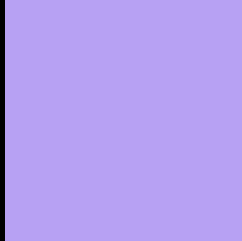
Large Text (above 18pt) WCAG AA × Fail

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 48.4510, 42.0281, 90.3526 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 48.4510, 42.0281, 90.3526

Background



This preview shows how black text looks on a background with the XYZ color 48.4510, 42.0281, 90.3526.



This preview shows how white text looks on a background with the XYZ color 48.4510, 42.0281,

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

48.4510, 42.0281, 90.3526

Protanopia

44.1882, 42.3868, 97.1193

Deuteranopia

43.2026, 42.0560, 89.0597



Tritanopia

40.6287, 41.8209, 52.3852

Trichromacy



Original Color

48.4510, 42.0281, 90.3526

Protanomaly

45.4599, 41.9918, 94.5162

Deuteranomaly

44.9500, 41.8348, 89.7102

Tritanomaly

43.1696, 41.7404, 64.8129

Monochromacy



Original Color

48.4510, 42.0281, 90.3526

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.6959, 42.9266, 61.2410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4510, 42.0281, 90.3526 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(183, 161, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 161, 243)  
}
```

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(183, 161, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 161, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.4510, 42.0281, 90.3526 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(183, 161, 243) }
```


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

```
.border{ border-color:rgb(183, 161, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 161, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 161, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 161, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 161,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4510, 42.0281, 90.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 161, 243) }
```

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

```
.background{ background-color: rgb(183,  
161, 243) }
```

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