

Converting Colors

XYZ(48.1105, 37.6416, 93.4229)

Have a look what the booklet for
XYZ(48.1105, 37.6416, 93.4229)
contains.

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Color

**XYZ(48.1517, 37.6710,
93.5403)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BE90F8 |
| RGB | 190, 144, 248 |
| RGB Percent | 75%, 56%, 97% |
| CMY | 0.2549, 0.4353, 0.0274 |
| CMYK | 0.23, 0.42, 0.00, 0.03 |
| HSL | 267°, 88%, 77% |
| HSV | 267°, 42%, 97% |
| XYZ | 48.1517, 37.6710, 93.5403 |
| YIQ | 169.6100, -5.9680, 42.0960 |

Conversions

Conversions Part 2

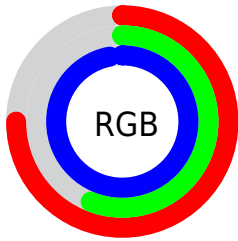
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 190, 144, 248 |
| Decimal | 12488952 |
| CIE _{Lab} | 67.78, 37.48, -45.68 |
| CIE _{LCh} | 68, 59.091, 309.368 |
| Yxy | 37.6710, 0.2685, 0.2100 |
| Android (android.graphics.Color) | 4290679032 (0xFFBE90F8) |
| YUV | 169.6100, 38.6463, 17.8820 |
| Hunter-Lab | 61.3767, 32.6289, -47.3964 |

Details

The XYZ color **48.1517, 37.6710, 93.5403** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.9596, 81.7059, 38.8395**, and the grayscale version is **37.8319, 39.8021, 43.3445**.

A 20% lighter version of the original color is **76.9555, 67.5646, 103.5930**, and **23.1498, 16.6586, 51.2855** is the 20% darker color. If you saturate the color by 10%, you get **41.5079, 29.2697, 92.2695**, and if you desaturate by 10%, it is **55.9511, 47.8942, 95.1031**.

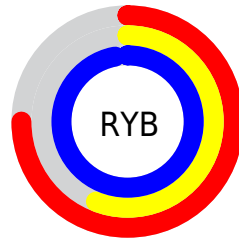
Distribution



Red (75%)

Green (56%)

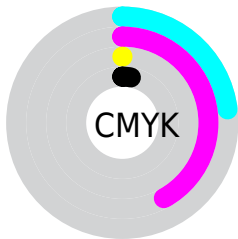
Blue (97%)



Red (75%)

Yellow (56%)

Blue (97%)

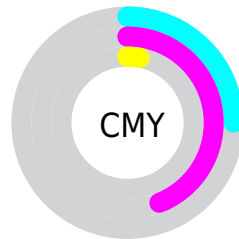


Cyan (23%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (25%)


Magenta (44%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1517, 37.6710, 93.5403 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 48.1517, 37.6710, 93.5403 by changing the saturation by 10% instead.


 48.1517, 37.6710,
93.5403


 48.1517, 37.6710,
93.5403

369.9657,
336.2065, 560.3458

 34.1588, 25.7274,
70.3305


 86.6386, 71.6036,
154.2246

 23.1791, 16.6198,
51.3176

 111.8632, 94.3614,
192.5362

 14.8472, 9.9638,
36.0829


141.5625,
121.4928, 236.7188

 8.7978, 5.3750,
24.2080

176.1017,
153.3821, 287.1909

 4.6656, 2.4689,
15.2744

215.8463,
190.4137, 344.3712

 2.0852, 0.8610,
8.8634

261.1616,

 0.6811, 0.0000,

232.9721, 408.6780

4.5566

312.4130,
281.4415, 480.5300

■ 0.0000, 0.0000,
1.9354

■ 0.0000, 0.0000,
0.5151

■ 48.1517, 37.6710,
93.5403

■ 48.1517, 37.6710,
93.5403

■ 41.5079, 29.2697,
92.2695

■ 55.9511, 47.8942,
95.1031

■ 35.9518, 22.5719,
91.2695

■ 64.9602, 60.0385,
96.9724

■ 31.4141, 17.4518,
90.5204

■ 75.2347, 74.2013,
99.1646

■ 27.8145, 13.7635,
89.9982

■ 86.8250, 90.4719,
101.6942

■ 25.0576, 11.3318,
89.6742

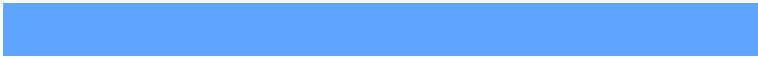
■ 93.9434, 99.5574,
103.0727

■ 23.3357, 10.0727,
89.5219

Harmonies

Analogous

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



38.7432, 37.6710, 113.4316



48.1517, 37.6710, 93.5403



54.9029, 37.6710, 61.4351

Triad

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



48.1517, 37.6710, 93.5403



42.3627, 37.6710, 9.6410



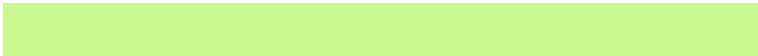
21.1117, 37.6710, 49.7692

Complementary

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



48.1517, 37.6710, 93.5403



62.9596, 81.7059, 38.8395

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.



21.7458, 37.6710, 25.7134



48.1517, 37.6710, 93.5403



33.0195, 37.6710, 8.6995

Square

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



48.1517, 37.6710, 93.5403



51.1855, 37.6710, 16.6556



25.7731, 37.6710, 13.1108



23.8630, 37.6710, 81.9503

Rectangle

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



48.1517, 37.6710, 93.5403



56.4142, 37.6710, 41.5750



25.7731, 37.6710, 13.1108



20.9481, 37.6710, 40.4646

Sweetspot

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



48.1531, 37.6725, 93.5412



78.8940, 77.3036, 105.3707



49.7863, 55.3884, 96.8746



16.3504, 15.8031, 22.4385



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.



48.1531, 37.6725, 93.5412



45.4460, 32.7055, 98.5253



63.2160, 45.4377, 94.2461



17.0117, 17.0187, 21.7736



12.7611, 5.5213, 48.3667



1.3015, 0.5730, 4.4852

Inverse Universe

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



59.3464, 44.1686, 61.2758



59.1572, 40.6734, 58.5259



51.3528, 75.7223, 38.2963



17.6499, 17.3873, 20.0122



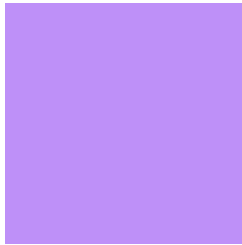
23.4739, 11.8053, 14.4698



2.2274, 1.1147, 1.6210

Previews

White Background



This preview shows how the XYZ color 48.1517, 37.6710, 93.5403 looks on a white background.

Color Contrast Check

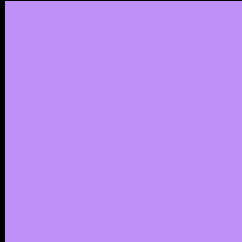
Large Text (above 18pt) WCAG AA × Fail

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 48.1517, 37.6710, 93.5403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

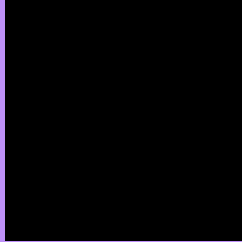
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1517, 37.6710, 93.5403

Background



This preview shows how black text looks on a background with the XYZ color 48.1517, 37.6710, 93.5403.



This preview shows how white text looks on a background with the XYZ color 48.1517, 37.6710,

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

48.1517, 37.6710, 93.5403

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.9647, 37.9079, 90.8512



Tritanopia

38.2451, 37.5059, 44.7588

Trichromacy



Original Color

48.1517, 37.6710, 93.5403

Protanomaly

42.2409, 37.1464, 97.0391

Deuteranomaly

41.4873, 37.3819, 91.4150

Tritanomaly

41.2723, 37.2264, 59.6537

Monochromacy



Original Color

48.1517, 37.6710, 93.5403

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.0694, 38.9141, 58.7727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1517, 37.6710, 93.5403 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(190, 144, 248)` looks like.

```
.text, #text, p{  
    color:rgb(190, 144, 248)  
}
```

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(190, 144, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 144, 248) }
```

Border

The CSS property to change the border of an element to XYZ 48.1517, 37.6710, 93.5403 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(190, 144, 248) }
```


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

```
.border{ border-color:rgb(190, 144, 248) }
```

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

Here you see how a box with a 4 pixel rgb(190, 144, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 144, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 144, 248);  
box-shadow:4px 4px 4px 4px rgb(190, 144,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1517, 37.6710, 93.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 144, 248) }
```

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

```
.background{ background-color: rgb(190,  
144, 248) }
```

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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