

Converting Colors

XYZ(64.9490, 52.7813,
160.1372)

Have a look what the booklet for
XYZ(64.9490, 52.7813, 160.1372)
contains.

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Color

**XYZ(53.8735, 48.4447,
101.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAFFF
RGB	187, 175, 255
RGB Percent	73%, 69%, 100%
CMY	0.2667, 0.3137, 0.0000
CMYK	0.27, 0.31, 0.00, 0.00
HSL	249°, 100%, 84%
HSV	249°, 31%, 100%
XYZ	53.8735, 48.4447, 101.1191
YIQ	187.7080, -18.5280, 27.4240

Conversions

Conversions Part 2

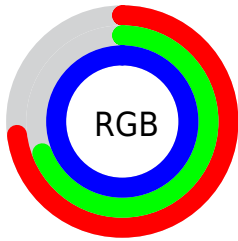
Format	Color
RYB	187, 175, 255
Decimal	12300287
CIELab	75.10, 21.10, -38.05
CIELCh	75, 43.510, 299.009
Yxy	48.4447, 0.2648, 0.2381
Android (android.graphics.Color)	4290490367 (0xFFBBAFFF)
YUV	187.7080, 33.1750, -0.6209
Hunter-Lab	69.6022, 16.3586, -37.4158

Details

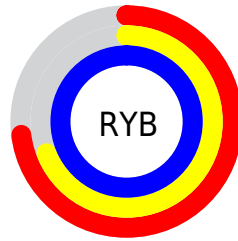
The XYZ color **53.8735, 48.4447, 101.1191** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.4604, 93.6700, 54.3987**, and the grayscale version is **47.4611, 49.9328, 54.3768**.

A 20% lighter version of the original color is **83.9341, 83.6049, 106.3213**, and **26.7917, 23.1487, 56.4821** is the 20% darker color. If you saturate the color by 10%, you get **44.4628, 36.9092, 99.3885**, and if you desaturate by 10%, it is **65.0246, 62.2706, 103.2000**.

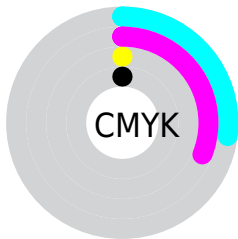
Distribution



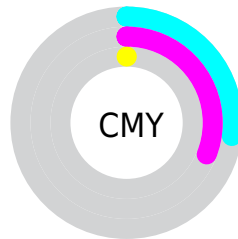
- Red (73%)
- Green (69%)
- Blue (100%)



- Red (73%)
- Yellow (69%)
- Blue (100%)



- Cyan (27%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8735, 48.4447, 101.1191 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 53.8735, 48.4447, 101.1191 by changing the saturation by 10% instead.

■ 53.8735, 48.4447,
101.1191

■ 53.8735, 48.4447,
101.1191

391.8337,
380.5521, 585.0520

■ 38.7308, 34.1792,
76.6134

■ 95.0465, 87.8661,
164.7595

■ 26.7302, 23.0313,
56.4260

121.8074,
113.7909, 204.7313

■ 17.5062, 14.6166,
40.1383

153.1719,
144.3708, 250.6955

■ 10.6936, 8.5508,
27.3318

189.5052,
179.9903, 303.0707

■ 5.9270, 4.4493,
17.5879

231.1726,
221.0338, 362.2754

■ 2.8410, 1.9280,
10.4882

278.5396,

■ 1.0702, 0.5651,

267.8857, 428.7281

5.6140

331.9715,
320.9303, 502.8475

■ 0.0000, 0.0000,
2.5469

■ 0.0000, 0.0000,
0.8648

■ 53.8735, 48.4447,
101.1191

■ 53.8735, 48.4447,
101.1191

■ 44.4628, 36.9092,
99.3885

■ 65.0246, 62.2706,
103.2000

■ 36.6993, 27.5343,
97.9881

■ 77.9939, 78.4961,
105.6483

■ 30.4880, 20.1859,
96.8971

■ 92.8597, 97.2301,
108.4808

■ 25.7220, 14.7122,
96.0918

■ 95.0500, 100.0000,
108.9000

■ 22.2804, 10.9399,
95.5450

■ 20.0217, 8.6625,
95.2245

■ 18.8586, 7.6369,
95.0878

Harmonies

Analogous

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



45.7810, 48.4447, 109.8342



53.8735, 48.4447, 101.1191



60.4515, 48.4447, 78.6906

Triad

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



53.8735, 48.4447, 101.1191



54.3843, 48.4447, 23.3882



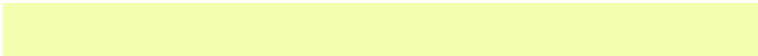
32.3748, 48.4447, 51.9934

Complementary

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



53.8735, 48.4447, 101.1191



80.4604, 93.6700, 54.3987

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.



34.1314, 48.4447, 33.2439



53.8735, 48.4447, 101.1191



46.3105, 48.4447, 19.9386

Square

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



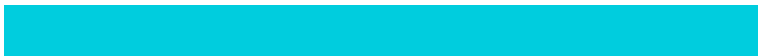
53.8735, 48.4447, 101.1191



60.7695, 48.4447, 34.2187



39.0146, 48.4447, 22.9501



33.9150, 48.4447, 76.9883

Rectangle

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



53.8735, 48.4447, 101.1191



62.7634, 48.4447, 61.5544



39.0146, 48.4447, 22.9501



32.5955, 48.4447, 44.8244

Sweetspot

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



53.8750, 48.4465, 101.1193



81.3445, 82.7075, 106.2846



67.7807, 80.4359, 106.5610



16.9683, 17.1461, 22.6652



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.



53.8750, 48.4465, 101.1193



47.4470, 40.5506, 99.9341



65.0596, 54.2124, 101.6428



17.2566, 17.5085, 22.7199



9.9294, 4.0293, 49.6890



1.0380, 0.4290, 4.8414

Inverse Universe

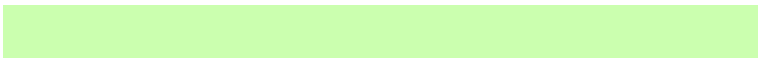
The Inverse Universe completely reimagines the original color for something new.



72.7484, 58.3924, 92.2308



69.2812, 52.0668, 89.1988



68.1274, 87.3121, 53.8215



18.6686, 18.2508, 22.1382



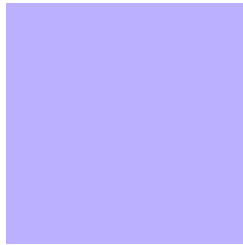
28.1204, 13.7375, 35.6143



2.7684, 1.3497, 3.6277

Previews

White Background



This preview shows how the XYZ color 53.8735, 48.4447, 101.1191 looks on a white background.

Color Contrast Check

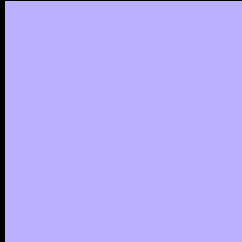
Large Text (above 18pt) WCAG AA × Fail

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 53.8735, 48.4447, 101.1191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

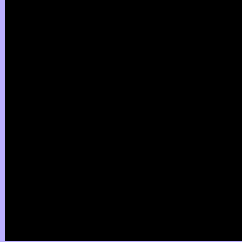
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.8735, 48.4447, 101.1191

Background



This preview shows how black text looks on a background with the XYZ color 53.8735, 48.4447, 101.1191.



This preview shows how white text looks on a background with the XYZ color 53.8735, 48.4447,

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

53.8735, 48.4447, 101.1191

Protanopia

49.8822, 48.4624, 101.3329

Deuteranopia

49.5618, 48.3343, 99.6458



Tritanopia

45.8887, 48.5180, 61.5899

Trichromacy



Original Color

53.8735, 48.4447, 101.1191

Protanomaly

51.1834, 48.2309, 101.2196

Deuteranomaly

51.0227, 48.1666, 100.3738

Tritanomaly

48.4686, 48.3265, 74.4835

Monochromacy



Original Color

53.8735, 48.4447, 101.1191

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.5562, 49.3118, 69.1936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8735, 48.4447, 101.1191 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(187, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 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(187, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.8735, 48.4447, 101.1191 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(187, 175, 255) }
```


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

```
.border{ border-color:rgb(187, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8735, 48.4447, 101.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 255) }
```

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

```
.background{ background-color: rgb(187,  
175, 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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