

Converting Colors

XYZ(51.1900, 47.4474, 83.5511)

Have a look what the booklet for
XYZ(51.1900, 47.4474, 83.5511)
contains.

XYZ(51.2732, 47.4903, 83.5549)	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(51.2732, 47.4903,
83.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAFE9
RGB	190, 175, 233
RGB Percent	75%, 69%, 91%
CMY	0.2549, 0.3137, 0.0863
CMYK	0.18, 0.25, 0.00, 0.09
HSL	256°, 57%, 80%
HSV	256°, 25%, 91%
XYZ	51.2732, 47.4903, 83.5549
YIQ	186.0970, -9.6780, 21.2180

Conversions

Conversions Part 2

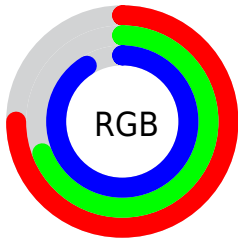
Format	Color
R _{YB}	190, 175, 233
Decimal	12496873
CIE Lab	74.50, 16.93, -27.07
CIE LCh	75, 31.925, 302.023
Yxy	47.4903, 0.2812, 0.2605
Android (android.graphics.Color)	4290686953 (0xFFBEAFE9)
YUV	186.0970, 23.1232, 3.4229
Hunter-Lab	68.9132, 12.2105, -23.6478

Details

The XYZ color **51.2732, 47.4903, 83.5549** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.7916, 76.2795, 51.8153**, and the grayscale version is **46.6062, 49.0333, 53.3973**.

A 20% lighter version of the original color is **84.9837, 84.1460, 106.3704**, and **25.1721, 22.5745, 44.6256** is the 20% darker color. If you saturate the color by 10%, you get **43.0619, 37.0970, 81.9824**, and if you desaturate by 10%, it is **60.7814, 59.7159, 85.4143**.

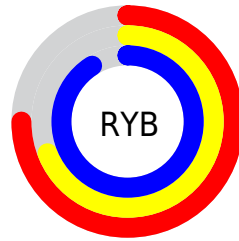
Distribution



Red (75%)

Green (69%)

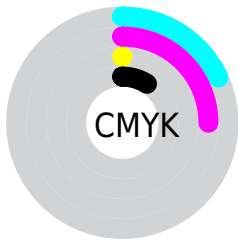
Blue (91%)



Red (75%)

Yellow (69%)

Blue (91%)

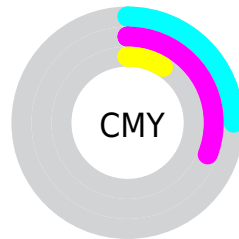


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2732, 47.4903, 83.5549 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 51.2732, 47.4903, 83.5549 by changing the saturation by 10% instead.

■ 51.2732, 47.4903,
83.5549

■ 51.2732, 47.4903,
83.5549

381.9945,
376.7682, 526.8534

■ 36.6480, 33.4234,
62.1048

■ 91.2391, 86.4450,
140.2085

■ 25.1075, 22.4510,
44.6810

117.3105,
112.1017, 176.2491

■ 16.2863, 14.1887,
30.8651

147.9279,
142.3903, 217.9903

■ 9.8191, 8.2520,
20.2386

183.4569,
177.6955, 265.8505

■ 5.3405, 4.2566,
12.3828

224.2627,
218.4014, 320.2484

■ 2.4852, 1.8181,
6.8792

270.7106,

■ 0.8878, 0.4984,

264.8926, 381.6025

3.3094

323.1661,
317.5534, 450.3313

■ 0.0000, 0.0000,
1.2547

■ 0.0000, 0.0000,
0.0242

■ 51.2732, 47.4903,
83.5549

■ 51.2732, 47.4903,
83.5549

■ 43.0619, 37.0970,
81.9824

■ 60.7814, 59.7159,
85.4143

■ 36.0849, 28.4407,
80.6792

■ 71.6361, 73.8514,
87.5706

■ 30.2812, 21.4261,
79.6312

■ 83.8898, 89.9766,
90.0373

■ 25.5825, 15.9463,
78.8211

■ 91.7081, 98.6632,
91.3019

■ 21.9128, 11.8814,
78.2299

■ 19.1858, 9.0927,
77.8354

■ 17.2985, 7.4120,
77.6105

■ 16.5871, 6.8519,
77.5398

Harmonies

Analogous

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



45.5305, 47.4903, 90.3545



51.2732, 47.4903, 83.5549



55.6494, 47.4903, 68.0723

Triad

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



51.2732, 47.4903, 83.5549



50.5389, 47.4903, 28.4392



34.9441, 47.4903, 52.8375

Complementary

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



51.2732, 47.4903, 83.5549



65.7916, 76.2795, 51.8153

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.



36.0415, 47.4903, 38.2034



51.2732, 47.4903, 83.5549



44.7480, 47.4903, 26.0339

Square

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



51.2732, 47.4903, 83.5549



55.2008, 47.4903, 36.6391



39.5130, 47.4903, 29.1980



36.3793, 47.4903, 70.4303

Rectangle

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



51.2732, 47.4903, 83.5549



57.0264, 47.4903, 56.2394



39.5130, 47.4903, 29.1980



35.0288, 47.4903, 47.4284

Sweetspot

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



51.2747, 47.4922, 83.5560



84.9154, 86.7112, 106.8692



57.5899, 65.4011, 86.6799



17.9969, 18.3266, 22.8388



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.



51.2747, 47.4922, 83.5560



57.4336, 51.3045, 101.4834



59.1026, 51.5276, 83.9223



14.5964, 14.7372, 18.9975



9.5097, 3.9384, 44.0019



0.8341, 0.3543, 3.4593

Inverse Universe

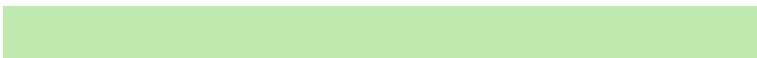
The Inverse Universe completely reimagines the original color for something new.



61.5905, 53.0474, 73.3243



72.2867, 59.3108, 86.3994



57.9888, 72.2570, 51.4502



15.5388, 15.2434, 18.1225



23.3868, 11.5574, 23.6361



1.8752, 0.9231, 2.0603

Previews

White Background



This preview shows how the XYZ color 51.2732, 47.4903, 83.5549 looks on a white background.

Color Contrast Check

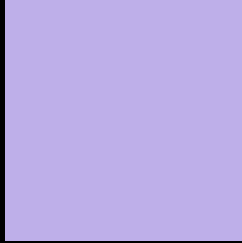
Large Text (above 18pt) WCAG AA × Fail

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 51.2732, 47.4903, 83.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

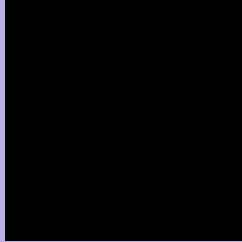
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2732, 47.4903, 83.5549

Background



This preview shows how black text looks on a background with the XYZ color 51.2732, 47.4903, 83.5549.



This preview shows how white text looks on a background with the XYZ color 51.2732, 47.4903,

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

51.2732, 47.4903, 83.5549

Protanopia

47.9584, 47.4870, 86.7590

Deuteranopia

48.7912, 47.6988, 82.9791



Tritanopia

46.4589, 47.6318, 58.9698

Trichromacy



Original Color

51.2732, 47.4903, 83.5549

Protanomaly

49.1649, 47.5264, 85.9391

Deuteranomaly

49.5419, 47.4907, 82.8994

Tritanomaly

47.8784, 47.2828, 66.9246

Monochromacy



Original Color

51.2732, 47.4903, 83.5549

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.0010, 48.3325, 63.2991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2732, 47.4903, 83.5549 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, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(190, 175, 233)  
}
```

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, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 51.2732, 47.4903, 83.5549 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, 175, 233) }
```


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

```
.border{ border-color:rgb(190, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(190, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2732, 47.4903, 83.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 175, 233) }
```

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

```
.background{ background-color: rgb(190,  
175, 233) }
```

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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