

Converting Colors

XYZ(32.0030, 19.2985, 51.4730)

Have a look what the booklet for
XYZ(32.0030, 19.2985, 51.4730)
contains.

XYZ(32.0654, 19.3836, 51.3416)	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(32.0654, 19.3836,
51.3416)**

Conversions

Conversions Part 1

Format	Color
Hex	B94DBF
RGB	185, 77, 191
RGB Percent	73%, 30%, 75%
CMY	0.2745, 0.6980, 0.2510
CMYK	0.03, 0.60, 0.00, 0.25
HSL	297°, 47%, 53%
HSV	297°, 60%, 75%
XYZ	32.0654, 19.3836, 51.3416
YIQ	122.2880, 27.7740, 58.3500

Conversions

Conversions Part 2

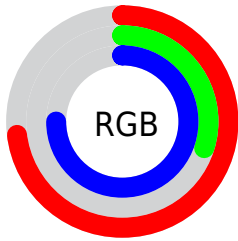
Format	Color
R_{YB}	185, 77, 191
Decimal	12144063
CIE _{Lab}	51.13, 58.71, -39.92
CIE _{LCh}	51, 70.994, 325.783
Yxy	19.3836, 0.3119, 0.1886
Android (android.graphics.Color)	4290334143 (0xFFB94DBF)
YUV	122.2880, 33.8750, 54.9984
Hunter-Lab	44.0268, 52.9574, -38.3219

Details

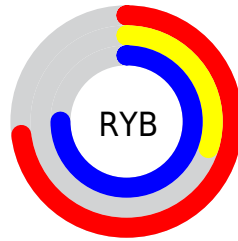
The XYZ color **32.0654, 19.3836, 51.3416** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.5382, 39.6369, 13.4321**, and the grayscale version is **18.4799, 19.4423, 21.1726**.

A 20% lighter version of the original color is **62.1567, 42.3345, 93.7023**, and **13.7001, 6.7362, 24.2451** is the 20% darker color. If you saturate the color by 10%, you get **30.6785, 16.9680, 50.9487**, and if you desaturate by 10%, it is **33.8477, 22.5864, 51.8661**.

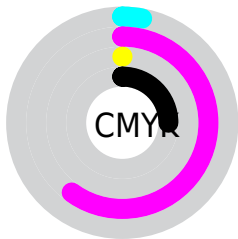
Distribution



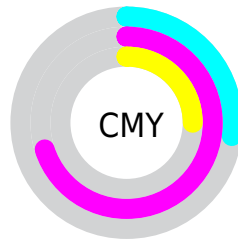
- Red (73%)
- Green (30%)
- Blue (75%)



- Red (73%)
- Yellow (30%)
- Blue (75%)



- Cyan (3%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)





- Cyan (27%)
- Magenta (70%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0654, 19.3836, 51.3416 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 32.0654, 19.3836, 51.3416 by changing the saturation by 10% instead.


 32.0654, 19.3836,
51.3416


 32.0654, 19.3836,
51.3416


303.1571,
248.5583, 408.7739


 21.5672, 11.9478,
36.1019


 62.2781, 42.3813,
93.5762


 13.6541, 6.7081,
24.2226


 82.7234, 58.7120,
121.4082

 7.9606, 3.2802,
15.2851


 107.2150, 78.7764,
154.2747

 4.1213, 1.2797,
8.8709

 136.1185,
102.9589, 192.5942

 1.7710, 0.1254,
4.5614

 169.7991,
131.6440, 236.7854

 0.5001, 0.0000,
1.9381

208.6221,

 0.0000, 0.0000,

165.2160, 287.2667

0.5168

252.9530,
204.0593, 344.4567

■ 0.0000, 0.0000,
0.0000

■ 32.0654, 19.3836,
51.3416

■ 32.0654, 19.3836,
51.3416

■ 30.6785, 16.9680,
50.9487

■ 33.8477, 22.5864,
51.8661

■ 29.6494, 15.2660,
50.6744

■ 36.0545, 26.6361,
52.5315

■ 28.9370, 14.1949,
50.5052

■ 38.7145, 31.5897,
53.3474

■ 28.4621, 13.5961,
50.4147

■ 41.8534, 37.4985,
54.3225

■ 28.4481, 13.5792,
50.4122

■ 45.4948, 44.4099,
55.4646

■ 49.6610, 52.3682,
56.7812

■ 54.3728, 61.4151,
58.2790

■ 59.6498, 71.5899,
59.9648

■ 65.5108, 82.9300,
61.8448

Harmonies

Analogous

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



24.9736, 19.3836, 78.9434



32.0654, 19.3836, 51.3416



35.5258, 19.3836, 24.0917

Triad

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



32.0654, 19.3836, 51.3416



19.4387, 19.3836, 1.2357



8.7121, 19.3836, 42.9050

Complementary

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



32.0654, 19.3836, 51.3416



23.5382, 39.6369, 13.4321

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.



7.9391, 19.3836, 18.3767



32.0654, 19.3836, 51.3416



13.1323, 19.3836, 1.8940

Square

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



32.0654, 19.3836, 51.3416



27.1491, 19.3836, 2.5260



9.3314, 19.3836, 5.9334



11.8019, 19.3836, 72.2605

Rectangle

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



32.0654, 19.3836, 51.3416



34.7957, 19.3836, 12.2066



9.3314, 19.3836, 5.9334



8.2129, 19.3836, 33.5289

Sweetspot

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



32.0661, 19.3845, 51.3420



75.8163, 68.7810, 97.5592



15.6824, 11.7745, 50.7366



16.2565, 14.3624, 21.3007



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.0661, 19.3845, 51.3420



54.2390, 29.1984, 91.0563



28.9929, 18.3259, 27.4441



9.8790, 9.6700, 12.0180



18.7173, 8.9352, 33.1311



0.7485, 0.3579, 1.2985

Inverse Universe

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



25.7017, 17.0094, 10.1129



42.0232, 24.6851, 9.8766



25.4838, 40.3566, 26.3217



9.5500, 9.5443, 10.0192



14.1658, 7.2975, 0.9009



0.5619, 0.2887, 0.0723

Previews

White Background



This preview shows how the XYZ color 32.0654, 19.3836, 51.3416 looks on a white background.

Color Contrast Check

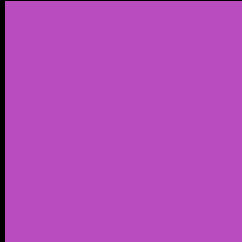
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0654, 19.3836, 51.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

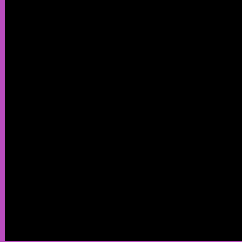
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0654, 19.3836, 51.3416

Background



This preview shows how black text looks on a background with the XYZ color 32.0654, 19.3836, 51.3416.



This preview shows how white text looks on a background with the XYZ color 32.0654, 19.3836,

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

32.0654, 19.3836, 51.3416

Protanopia

22.7896, 19.9076, 76.7701

Deuteranopia

20.1229, 19.7176, 47.5450



Tritanopia

24.9431, 19.3110, 16.6001

Trichromacy



Original Color

32.0654, 19.3836, 51.3416



Protanomaly

23.2795, 17.9327, 66.5244



Deuteranomaly

22.7694, 18.3653, 48.7991



Tritanomaly

27.0050, 19.0730, 26.3029

Monochromacy



Original Color

32.0654, 19.3836, 51.3416



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.0975, 18.4344, 29.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0654, 19.3836, 51.3416 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(185, 77, 191)` looks like.

```
.text, #text, p{  
    color:rgb(185, 77, 191)  
}
```

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(185, 77, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 77, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.0654, 19.3836, 51.3416 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(185, 77, 191) }
```


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

```
.border{ border-color:rgb(185, 77, 191) }
```

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

Here you see how a box with a 4 pixel rgb(185, 77, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 77, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 77, 191);  
box-shadow:4px 4px 4px 4px rgb(185, 77,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0654, 19.3836, 51.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 77, 191) }
```

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

```
.background{ background-color: rgb(185, 77,  
191) }
```

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