

Converting Colors

XYZ(32.6306, 16.0826, 51.3390)

Have a look what the booklet for
XYZ(32.6306, 16.0826, 51.3390)
contains.

XYZ(32.5295, 16.0418, 51.2511)	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(32.5295, 16.0418,
51.2511)**

Conversions

Conversions Part 1

Format	Color
Hex	C414C0
RGB	196, 20, 192
RGB Percent	77%, 8%, 75%
CMY	0.2314, 0.9215, 0.2471
CMYK	0.00, 0.90, 0.02, 0.23
HSL	301°, 81%, 42%
HSV	301°, 90%, 77%
XYZ	32.5295, 16.0418, 51.2511
YIQ	92.2320, 49.6840, 90.8040

Conversions

Conversions Part 2

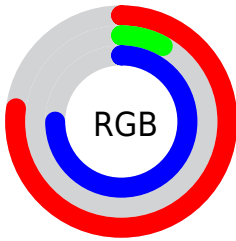
Format	Color
R _{YB}	196, 20, 192
Decimal	12850368
CIE _{Lab}	47.03, 78.07, -46.91
CIE _{LCh}	47, 91.073, 329.001
Yxy	16.0418, 0.3259, 0.1607
Android (android.graphics.Color)	4291040448 (0xFFC414C0)
YUV	92.2320, 49.1856, 91.0045
Hunter-Lab	40.0522, 74.8823, -47.8314

Details

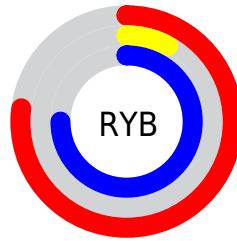
The XYZ color **32.5295, 16.0418, 51.2511** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **20.1940, 39.6953, 7.4626**, and the grayscale version is **10.1103, 10.6369, 11.5836**.

A 20% lighter version of the original color is **62.5218, 36.4653, 93.3658**, and **14.9040, 7.1533, 24.6400** is the 20% darker color. If you saturate the color by 10%, you get **32.2349, 15.5310, 50.9098**, and if you desaturate by 10%, it is **33.0751, 17.0533, 51.6770**.

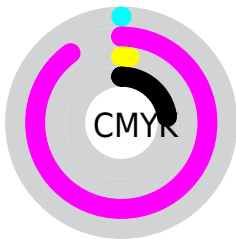
Distribution



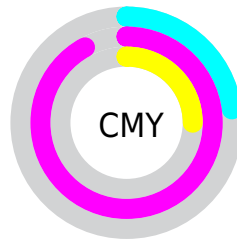
- Red (77%)
- Green (8%)
- Blue (75%)



- Red (77%)
- Yellow (8%)
- Blue (75%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (23%)




- Cyan (23%)
- Magenta (92%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5295, 16.0418, 51.2511 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 32.5295, 16.0418, 51.2511 by changing the saturation by 10% instead.


 32.5295, 16.0418,
51.2511


 32.5295, 16.0418,
51.2511

305.2269,
229.5882, 408.4129


 21.9238, 9.5537,
36.0304


 62.9999, 36.6708,
93.4411

 13.9172, 5.1041,
24.1678


 83.5952, 51.5804,
121.2475


 8.1444, 2.3085,
15.2448


 108.2511, 70.0661,
154.0862

 4.2401, 0.7782,
8.8428

 137.3330, 92.5122,
192.3757

 1.8388, 0.0000,
4.5434

 171.2061,
119.3030, 236.5346

 0.5409, 0.0000,
1.9279

 210.2359,

 0.0000, 0.0000,

150.8231, 286.9814

0.5104

254.7877,
187.4567, 344.1347

■ 0.0000, 0.0000,
0.0000

■ 32.5295, 16.0418,
51.2511

■ 32.5295, 16.0418,
51.2511

■ 32.2349, 15.5310,
50.9098

■ 33.0751, 17.0533,
51.6770

■ 32.2294, 15.5216,
50.9028

■ 33.9539, 18.7315,
52.2146

■ 35.2112, 21.1666,
52.8792

■ 36.8851, 24.4346,
53.6834

■ 39.0088, 28.6018,
54.6382

■ 41.6122, 33.7283,
55.7536

■ 44.7226, 39.8686,
57.0388

■ 48.3654, 47.0734,
58.5023

■ 52.5642, 55.3898,
60.1517

Harmonies

Analogous

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



23.9550, 16.0418, 90.9067



32.5295, 16.0418, 51.2511



36.2916, 16.0418, 18.2440

Triad

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



32.5295, 16.0418, 51.2511



15.5163, 16.0418, 0.0000



5.3839, 16.0418, 48.5797

Complementary

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



32.5295, 16.0418, 51.2511



20.1940, 39.6953, 7.4626

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.



4.4804, 16.0418, 16.7120



32.5295, 16.0418, 51.2511



8.9559, 16.0418, 0.1000

Square

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



32.5295, 16.0418, 51.2511



24.5866, 16.0418, 0.2111



5.5186, 16.0418, 3.2071



8.6349, 16.0418, 88.6257

Rectangle

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



32.5295, 16.0418, 51.2511



34.8265, 16.0418, 6.7155



5.5186, 16.0418, 3.2071



4.8588, 16.0418, 36.0205

Sweetspot

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



32.5301, 16.0426, 51.2514



76.6295, 63.5606, 101.5217



10.5665, 4.6680, 52.5693



16.0140, 12.8396, 21.5672



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.



32.5301, 16.0426, 51.2514



58.3706, 28.1122, 92.1384



25.5693, 13.2582, 14.5963



10.4871, 10.2434, 12.6556



20.7131, 9.9750, 32.7310



0.8981, 0.4323, 1.4310

Inverse Universe

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



32.5301, 16.0426, 51.2514



58.3706, 28.1122, 92.1384



22.8950, 40.7756, 21.6858



10.4871, 10.2434, 12.6556



20.7131, 9.9750, 32.7310



0.8981, 0.4323, 1.4310

Previews

White Background



This preview shows how the XYZ color 32.5295, 16.0418, 51.2511 looks on a white 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

Black Background



This preview shows how the XYZ color 32.5295, 16.0418, 51.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

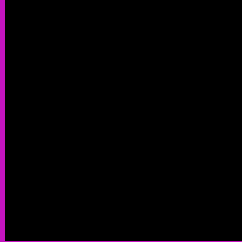
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5295, 16.0418, 51.2511

Background



This preview shows how black text looks on a background with the XYZ color 32.5295, 16.0418, 51.2511.



This preview shows how white text looks on a background with the XYZ color 32.5295, 16.0418,

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

32.5295, 16.0418, 51.2511

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.9933, 16.5629, 46.0174



Tritanopia

23.9440, 16.1073, 9.8297

Trichromacy



Original Color

32.5295, 16.0418, 51.2511



Protanomaly

17.6471, 11.6052, 66.2757



Deuteranomaly

19.0242, 12.9463, 47.3951



Tritanomaly

25.6661, 14.9249, 19.9404

Monochromacy



Original Color

32.5295, 16.0418, 51.2511



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.0504, 10.2008, 21.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5295, 16.0418, 51.2511 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(196, 20, 192)` looks like.

```
.text, #text, p{  
    color:rgb(196, 20, 192)  
}
```

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(196, 20, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 20, 192) }
```

Border

The CSS property to change the border of an element to XYZ 32.5295, 16.0418, 51.2511 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(196, 20, 192) }
```


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

```
.border{ border-color:rgb(196, 20, 192) }
```

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

Here you see how a box with a 4 pixel rgb(196, 20, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 20, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 20, 192);  
box-shadow:4px 4px 4px 4px rgb(196, 20,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5295, 16.0418, 51.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 20, 192) }
```

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

```
.background{ background-color: rgb(196, 20,  
192) }
```

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