

Converting Colors

XYZ(33.0403, 16.4308, 52.9283)

Have a look what the booklet for
XYZ(33.0403, 16.4308, 52.9283)
contains.

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Color

**XYZ(32.9847, 16.4147,
53.0596)**

Conversions

Conversions Part 1

Format	Color
Hex	C41AC3
RGB	196, 26, 195
RGB Percent	77%, 10%, 76%
CMY	0.2314, 0.8980, 0.2353
CMYK	0.00, 0.87, 0.01, 0.23
HSL	300°, 77%, 44%
HSV	300°, 87%, 77%
XYZ	32.9847, 16.4147, 53.0596
YIQ	96.0960, 47.0710, 88.5990

Conversions

Conversions Part 2

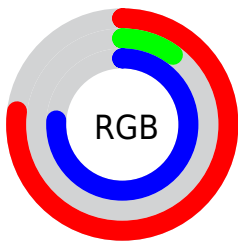
Format	Color
R_{YB}	196, 26, 195
Decimal	12851907
CIE _{Lab}	47.51, 77.60, -47.88
CIE _{LCh}	48, 91.182, 328.326
Yxy	16.4147, 0.3219, 0.1602
Android (android.graphics.Color)	4291041987 (0xFFC41AC3)
YUV	96.0960, 48.7597, 87.6158
Hunter-Lab	40.5151, 74.4216, -49.2872

Details

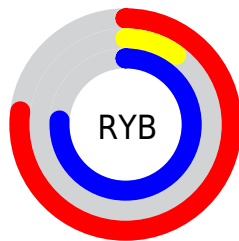
The XYZ color **32.9847, 16.4147, 53.0596** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **20.3646, 39.7795, 7.6427**, and the grayscale version is **11.0209, 11.5948, 12.6267**.

A 20% lighter version of the original color is **63.1784, 37.0236, 95.9119**, and **15.2149, 7.2967, 25.4174** is the 20% darker color. If you saturate the color by 10%, you get **32.6722, 15.8101, 52.8912**, and if you desaturate by 10%, it is **33.5907, 17.6052, 53.3261**.

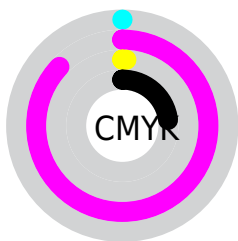
Distribution



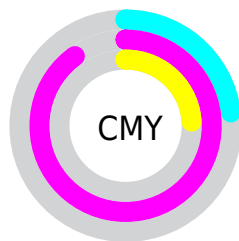
- Red (77%)
- Green (10%)
- Blue (76%)



- Red (77%)
- Yellow (10%)
- Blue (76%)



- Cyan (0%)
- Magenta (87%)
- Yellow (1%)
- Black (23%)





- Cyan (23%)
- Magenta (90%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9847, 16.4147, 53.0596 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 32.9847, 16.4147, 53.0596 by changing the saturation by 10% instead.


 32.9847, 16.4147,
53.0596

 32.9847, 16.4147,
53.0596

307.2470,
231.7765, 415.5865


 22.2739, 9.8181,
37.4623


 63.7065, 37.3167,
96.1345


 14.1760, 5.2785,
25.2670


 84.4482, 52.3908,
124.4492


 8.3257, 2.4116,
16.0553


 109.2642, 71.0595,
157.8401

 4.3576, 0.8318,
9.4085

 138.5199, 93.7073,
196.7257

 1.9064, 0.0000,
4.9082

 172.5807,
120.7185, 241.5246

 0.5805, 0.0000,
2.1357

 211.8119,

 0.0000, 0.0000,

152.4775, 292.6554

0.6369

256.5789,
189.3687, 350.5365

■ 0.0000, 0.0000,
0.0000

■ 32.9847, 16.4147,
53.0596

■ 32.9847, 16.4147,
53.0596

■ 32.6722, 15.8101,
52.8912

■ 33.5907, 17.6052,
53.3261

■ 32.5984, 15.6692,
52.8455

■ 34.5444, 19.4917,
53.7085

■ 35.8887, 22.1594,
54.2211

■ 37.6600, 25.6811,
54.8761

■ 39.8905, 30.1210,
55.6842

■ 42.6091, 35.5373,
56.6551

■ 45.8425, 41.9832,
57.7976

■ 49.6156, 49.5084,
59.1201

■ 53.9515, 58.1590,
60.6302

Harmonies

Analogous

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



24.2290, 16.4147, 93.0166



32.9847, 16.4147, 53.0596



36.9476, 16.4147, 19.2092

Triad

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



32.9847, 16.4147, 53.0596



16.0616, 16.4147, 0.0000



5.5092, 16.4147, 48.5284

Complementary

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



32.9847, 16.4147, 53.0596



20.3646, 39.7795, 7.6427

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.



4.6313, 16.4147, 16.5999



32.9847, 16.4147, 53.0596



9.3122, 16.4147, 0.1158

Square

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



32.9847, 16.4147, 53.0596



25.3024, 16.4147, 0.3020



5.7399, 16.4147, 3.1857



8.7641, 16.4147, 89.1541

Rectangle

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



32.9847, 16.4147, 53.0596



35.5722, 16.4147, 7.1896



5.7399, 16.4147, 3.1857



4.9890, 16.4147, 35.9063

Sweetspot

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



32.9854, 16.4155, 53.0599



77.3603, 64.7211, 102.6936



10.7600, 4.9447, 52.6127



16.1629, 13.0651, 21.8401



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.



32.9854, 16.4155, 53.0599



59.0491, 28.3837, 95.7116



26.0046, 13.6232, 16.3000



10.4947, 10.2465, 12.6955



20.9468, 10.0685, 33.9615



0.9059, 0.4354, 1.4718

Inverse Universe

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



32.9854, 16.4155, 53.0599



59.0491, 28.3837, 95.7116



23.0362, 40.8481, 21.7114



10.4947, 10.2465, 12.6955



20.9468, 10.0685, 33.9615



0.9059, 0.4354, 1.4718

Previews

White Background



This preview shows how the XYZ color 32.9847, 16.4147, 53.0596 looks on a white background.

Color Contrast Check

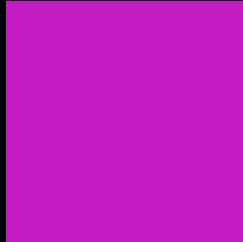
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9847, 16.4147, 53.0596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

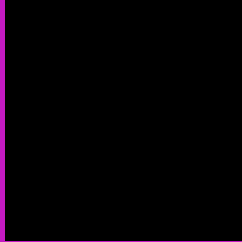
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.9847, 16.4147, 53.0596

Background



This preview shows how black text looks on a background with the XYZ color 32.9847, 16.4147, 53.0596.



This preview shows how white text looks on a background with the XYZ color 32.9847, 16.4147,

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

32.9847, 16.4147, 53.0596

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.3415, 16.8730, 47.6902



Tritanopia

24.2028, 16.4382, 10.4916

Trichromacy



Original Color

32.9847, 16.4147, 53.0596



Protanomaly

18.1807, 12.0460, 68.3847



Deuteranomaly

19.4305, 13.4473, 49.1484



Tritanomaly

26.0566, 15.4038, 21.0019

Monochromacy



Original Color

32.9847, 16.4147, 53.0596



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

15.9338, 11.0780, 23.1282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9847, 16.4147, 53.0596 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, 26, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 26, 195)  
}
```

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, 26, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 26, 195) }
```

Border

The CSS property to change the border of an element to XYZ 32.9847, 16.4147, 53.0596 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, 26, 195) }
```


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

```
.border{ border-color:rgb(196, 26, 195) }
```

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

Here you see how a box with a 4 pixel rgb(196, 26, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 26, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 26, 195);  
box-shadow:4px 4px 4px 4px rgb(196, 26,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9847, 16.4147, 53.0596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 26, 195) }
```

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

```
.background{ background-color: rgb(196, 26,  
195) }
```

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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