

Converting Colors

XYZ(33.3192, 15.9526, 56.8609)

Have a look what the booklet for
XYZ(33.3192, 15.9526, 56.8609)
contains.

XYZ(33.3076, 15.9528, 56.5820)	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(33.3076, 15.9528,
56.5820)**

Conversions

Conversions Part 1

Format	Color
Hex	C400C9
RGB	196, 0, 201
RGB Percent	77%, 0%, 79%
CMY	0.2314, 0.9999, 0.2118
CMYK	0.02, 1.00, 0.00, 0.21
HSL	299°, 100%, 39%
HSV	299°, 100%, 79%
XYZ	33.3076, 15.9528, 56.5820
YIQ	81.5180, 52.2950, 104.0630

Conversions

Conversions Part 2

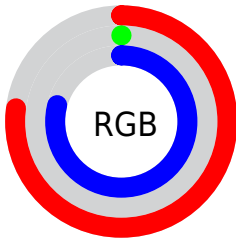
Format	Color
R_{YB}	196, 0, 201
Decimal	12845257
CIE _{Lab}	46.91, 81.34, -52.32
CIE _{LCh}	47, 96.712, 327.246
Yxy	15.9528, 0.3147, 0.1507
Android (android.graphics.Color)	4291035337 (0xFFC400C9)
YUV	81.5180, 58.9046, 100.4007
Hunter-Lab	39.9410, 78.9582, -56.0340

Details

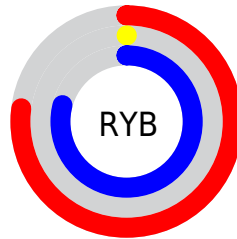
The XYZ color **33.3076, 15.9528, 56.5820** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.9497, 41.8059, 6.9658**, and the grayscale version is **7.8059, 8.2124, 8.9433**.

A 20% lighter version of the original color is **63.0311, 35.9622, 98.2270**, and **15.5048, 7.3937, 27.8041** is the 20% darker color. If you saturate the color by 10%, you get **33.3079, 15.9530, 56.5822**, and if you desaturate by 10%, it is **33.6906, 16.5248, 56.6724**.

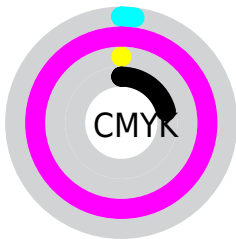
Distribution



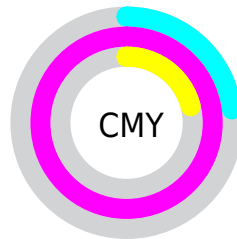
- Red (77%)
- Green (0%)
- Blue (79%)



- Red (77%)
- Yellow (0%)
- Blue (79%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)





- Cyan (23%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3076, 15.9528, 56.5820 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 33.3076, 15.9528, 56.5820 by changing the saturation by 10% instead.


 33.3076, 15.9528,
56.5820


 33.3076, 15.9528,
56.5820


308.6741,
229.0630, 429.3309


 22.5226, 9.4908,
40.2626


 64.2069, 36.5162,
101.3493

 14.3601, 5.0626,
27.4280


 85.0519, 51.3864,
130.6343


 8.4549, 2.2841,
17.6597


 109.9810, 69.8281,
165.0782

 4.4416, 0.7653,
10.5390

 139.3594, 92.2257,
205.0996

 1.9549, 0.0000,
5.6475

 173.5526,
118.9636, 251.1170

 0.6084, 0.0000,
2.5667

 212.9258,

 0.0000, 0.0000,

150.4262, 303.5491

0.8752

257.8445,
186.9979, 362.8142

■ 0.0000, 0.0000,
0.0000

■ 33.3076, 15.9528,
56.5820

■ 33.3076, 15.9528,
56.5820

■ 33.3079, 15.9530,
56.5822

■ 33.6906, 16.5248,
56.6724

■ 34.3353, 17.6202,
56.8499

■ 35.3329, 19.4208,
57.1449

■ 36.7314, 22.0224,
57.5733

■ 38.5712, 25.5060,
58.1487

■ 40.8878, 29.9425,
58.8830

■ 43.7131, 35.3959,
59.7867

■ 47.0762, 41.9244,
60.8695

■ 51.0043, 49.5818,
62.1406

Harmonies

Analogous

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



23.8685, 15.9528, 100.0701



33.3076, 15.9528, 56.5820



37.8247, 15.9528, 19.6989

Triad

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



33.3076, 15.9528, 56.5820



15.9554, 15.9528, 0.0000



4.8295, 15.9528, 48.5047

Complementary

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



33.3076, 15.9528, 56.5820



20.9497, 41.8059, 6.9658

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.



4.0454, 15.9528, 15.2321



33.3076, 15.9528, 56.5820



8.8822, 15.9528, 0.0000

Square

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



33.3076, 15.9528, 56.5820



25.7422, 15.9528, 0.0000



5.2022, 15.9528, 2.4089



7.9702, 15.9528, 93.0670

Rectangle

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



33.3076, 15.9528, 56.5820



36.5326, 15.9528, 6.9154



5.2022, 15.9528, 2.4089



4.3472, 15.9528, 35.1070

Sweetspot

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



33.3083, 15.9535, 56.5823



74.6135, 60.1610, 102.2874



10.6159, 4.3631, 55.5412



15.5078, 11.9827, 21.7455



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.



33.3083, 15.9535, 56.5823



56.9950, 27.2969, 96.8726



26.7527, 13.4840, 15.1607



11.0560, 10.8027, 13.4199



20.9548, 10.0369, 35.5772



1.0007, 0.4796, 1.6850

Inverse Universe

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



24.1152, 12.4290, 1.2722



41.2747, 21.2739, 2.1130



22.8990, 42.5784, 17.5571



10.6444, 10.6411, 11.1106



15.1675, 7.8166, 0.8259



0.7220, 0.3716, 0.0592

Previews

White Background



This preview shows how the XYZ color 33.3076, 15.9528, 56.5820 looks on a white background.

Color Contrast Check

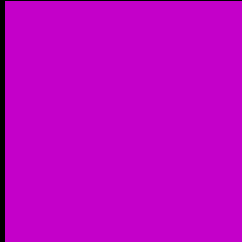
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3076, 15.9528, 56.5820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

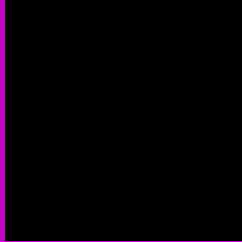
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3076, 15.9528, 56.5820

Background



This preview shows how black text looks on a background with the XYZ color 33.3076, 15.9528, 56.5820.



This preview shows how white text looks on a background with the XYZ color 33.3076, 15.9528,

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

33.3076, 15.9528, 56.5820

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

17.1892, 16.7329, 50.4679



Tritanopia

23.9247, 16.2993, 10.2726

Trichromacy



Original Color

33.3076, 15.9528, 56.5820



Protanomaly

17.6449, 10.7631, 68.8577



Deuteranomaly

18.5637, 11.9949, 51.7889



Tritanomaly

25.7104, 14.5049, 21.5233

Monochromacy



Original Color

33.3076, 15.9528, 56.5820



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.0980, 8.1476, 20.2843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3076, 15.9528, 56.5820 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, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 201)  
}
```

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, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.3076, 15.9528, 56.5820 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, 0, 201) }
```


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

```
.border{ border-color:rgb(196, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3076, 15.9528, 56.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 201) }
```

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

```
.background{ background-color: rgb(196, 0,  
201) }
```

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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