

Converting Colors

XYZ(30.0309, 18.7001, 56.3312)

Have a look what the booklet for
XYZ(30.0309, 18.7001, 56.3312)
contains.

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Color

**XYZ(30.0458, 18.6663,
56.0522)**

Conversions

Conversions Part 1

Format	Color
Hex	AB51C7
RGB	171, 81, 199
RGB Percent	67%, 32%, 78%
CMY	0.3294, 0.6823, 0.2196
CMYK	0.14, 0.59, 0.00, 0.22
HSL	286°, 51%, 55%
HSV	286°, 59%, 78%
XYZ	30.0458, 18.6663, 56.0522
YIQ	121.3620, 15.7620, 55.7780

Conversions

Conversions Part 2

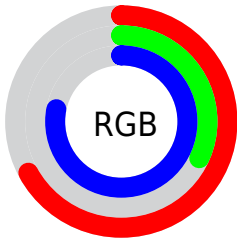
Format	Color
R _Y B	171, 81, 199
Decimal	11227591
CIE Lab	50.29, 54.85, -45.99
CIE LCh	50, 71.582, 320.023
Yxy	18.6663, 0.2868, 0.1782
Android (android.graphics.Color)	4289417671 (0xFFAB51C7)
YUV	121.3620, 38.2755, 43.5325
Hunter-Lab	43.2045, 48.5267, -46.6779

Details

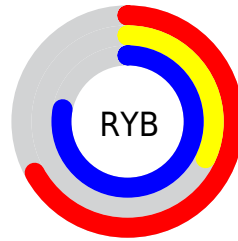
The XYZ color **30.0458, 18.6663, 56.0522** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **28.2158, 44.6926, 14.9247**, and the grayscale version is **18.1682, 19.1143, 20.8155**.

A 20% lighter version of the original color is **59.0271, 41.2060, 99.4502**, and **12.4309, 6.3117, 26.9487** is the 20% darker color. If you saturate the color by 10%, you get **27.7678, 15.6094, 55.5825**, and if you desaturate by 10%, it is **32.7953, 22.6102, 56.6688**.

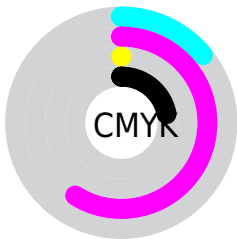
Distribution



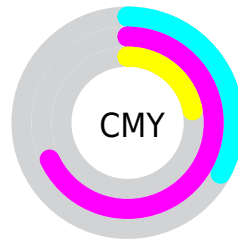
- Red (67%)
- Green (32%)
- Blue (78%)



- Red (67%)
- Yellow (32%)
- Blue (78%)



- Cyan (14%)
- Magenta (59%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (68%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0458, 18.6663, 56.0522 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 30.0458, 18.6663, 56.0522 by changing the saturation by 10% instead.


 30.0458, 18.6663,
56.0522


 30.0458, 18.6663,
56.0522


294.0239,
244.6003, 427.2820

 20.0216, 11.4294,
39.8405


 59.1207, 41.1695,
100.5675

 12.5191, 6.3564,
27.1014


 78.9022, 57.2045,
129.7081

 7.1729, 3.0630,
17.4163


 102.6667, 76.9411,
163.9954

 3.6178, 1.1647,
10.3666

 130.7798,
100.7635, 203.8481

 1.4883, 0.0326,
5.5339

 163.6067,
129.0563, 249.6845

 0.3178, 0.0000,
2.4997

201.5127,

 0.0000, 0.0000,

162.2037, 301.9233

0.8400

244.8634,
200.5903, 360.9829

■ 0.0000, 0.0000,
0.0000

■ 30.0458, 18.6663,
56.0522

■ 30.0458, 18.6663,
56.0522

■ 27.7678, 15.6094,
55.5825

■ 32.7953, 22.6102,
56.6688

■ 25.9195, 13.3587,
55.2455

■ 36.0487, 27.5075,
57.4426

■ 24.4553, 11.8227,
55.0262

■ 39.8382, 33.4212,
58.3844

■ 23.2943, 10.8404,
54.8978

■ 44.1923, 40.4080,
59.5035

■ 23.2168, 10.7778,
54.8898

■ 49.1375, 48.5203,
60.8087

■ 54.6986, 57.8073,
62.3081

■ 60.8990, 68.3149,
64.0095

■ 67.7606, 80.0868,
65.9201

■ 73.6545, 89.8645,
67.4967

Harmonies

Analogous

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



22.7098, 18.6663, 81.4517



30.0458, 18.6663, 56.0522



34.3794, 18.6663, 27.6836

Triad

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



30.0458, 18.6663, 56.0522



20.1534, 18.6663, 1.1438



7.9317, 18.6663, 36.4031

Complementary

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



30.0458, 18.6663, 56.0522



28.2158, 44.6926, 14.9247

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.



7.5836, 18.6663, 14.4008



30.0458, 18.6663, 56.0522



13.5569, 18.6663, 1.4172

Square

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



30.0458, 18.6663, 56.0522



27.7606, 18.6663, 2.8593



9.3604, 18.6663, 4.3386



10.4803, 18.6663, 65.8748

Rectangle

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



30.0458, 18.6663, 56.0522



34.3765, 18.6663, 14.3765



9.3604, 18.6663, 4.3386



7.5847, 18.6663, 27.7212

Sweetspot

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



30.0465, 18.6671, 56.0526



78.2210, 72.1226, 104.4061



19.3329, 17.1337, 56.3213



16.2314, 14.6083, 22.2141



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.



30.0465, 18.6671, 56.0526



47.6583, 26.1138, 97.1363



33.7046, 20.9110, 40.0431



10.8276, 10.6849, 13.4092



15.0098, 6.9721, 35.2990



0.7719, 0.3617, 1.6743

Inverse Universe

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



29.2565, 19.1318, 16.6195



46.8911, 27.4331, 19.6256



26.6591, 43.7333, 21.9321



10.7353, 10.6775, 11.5894



15.5069, 7.9523, 2.6133



0.7635, 0.3883, 0.2780

Previews

White Background



This preview shows how the XYZ color 30.0458, 18.6663, 56.0522 looks on a white background.

Color Contrast Check

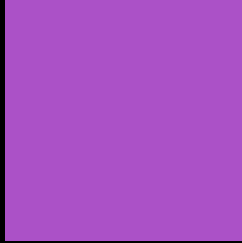
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0458, 18.6663, 56.0522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

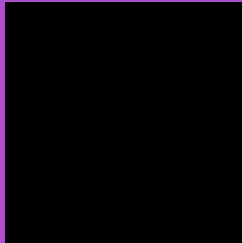
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0458, 18.6663, 56.0522

Background



This preview shows how black text looks on a background with the XYZ color 30.0458, 18.6663, 56.0522.



This preview shows how white text looks on a background with the XYZ color 30.0458, 18.6663,

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

30.0458, 18.6663, 56.0522

Protanopia

22.2688, 19.0521, 79.5945

Deuteranopia

19.4553, 18.9010, 52.4920



Tritanopia

22.3303, 18.6663, 18.0488

Trichromacy



Original Color

30.0458, 18.6663, 56.0522



Protanomaly

22.5175, 17.3006, 70.5592



Deuteranomaly

21.6865, 17.6929, 53.9018



Tritanomaly

24.3212, 18.1659, 28.6101

Monochromacy



Original Color

30.0458, 18.6663, 56.0522



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.2263, 17.9670, 30.7830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0458, 18.6663, 56.0522 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(171, 81, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 81, 199)  
}
```

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(171, 81, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 81, 199) }
```

Border

The CSS property to change the border of an element to XYZ 30.0458, 18.6663, 56.0522 is called "border". The border property can be set on classes, ids or directly on the HTML element.

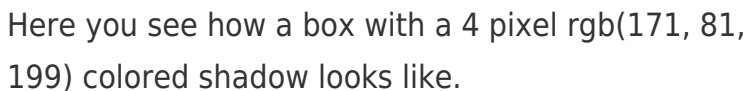
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 81, 199) }
```


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

```
.border{ border-color:rgb(171, 81, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 81, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 81, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 81, 199); box-shadow:4px 4px 4px 4px rgb(171, 81, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0458, 18.6663, 56.0522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 81, 199) }
```

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

```
.background{ background-color: rgb(171, 81,  
199) }
```

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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