

Converting Colors

XYZ(30.5827, 15.4786, 49.3463)

Have a look what the booklet for
XYZ(30.5827, 15.4786, 49.3463)
contains.

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Color

**XYZ(30.6881, 15.5260,
49.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	BD20BD
RGB	189, 32, 189
RGB Percent	74%, 13%, 74%
CMY	0.2588, 0.8745, 0.2588
CMYK	0.00, 0.83, 0.00, 0.26
HSL	300°, 71%, 43%
HSV	300°, 83%, 74%
XYZ	30.6881, 15.5260, 49.5235
YIQ	96.8410, 43.1750, 82.1110

Conversions

Conversions Part 2

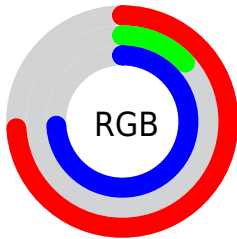
Format	Color
R _Y B	189, 32, 189
Decimal	12394685
CIE Lab	46.35, 74.28, -46.31
CIE LCh	46, 87.537, 328.056
Yxy	15.5260, 0.3205, 0.1622
Android (android.graphics.Color)	4290584765 (0xFFBD20BD)
YUV	96.8410, 45.4344, 80.8234
Hunter-Lab	39.4030, 70.0650, -46.9362

Details

The XYZ color **30.6881, 15.5260, 49.5235** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.0547, 36.8073, 7.4676**, and the grayscale version is **11.2097, 11.7934, 12.8430**.

A 20% lighter version of the original color is **60.2586, 35.9079, 90.9437**, and **13.7332, 6.5746, 23.4669** is the 20% darker color. If you saturate the color by 10%, you get **30.3173, 14.7838, 49.3999**, and if you desaturate by 10%, it is **31.3519, 16.8530, 49.7449**.

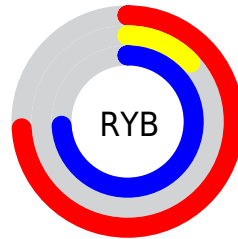
Distribution



Red (74%)

Green (13%)

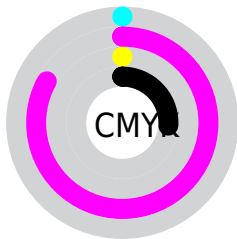
Blue (74%)



Red (74%)

Yellow (13%)

Blue (74%)

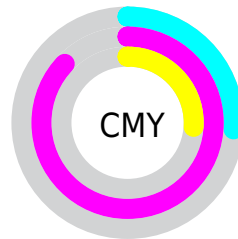


Cyan (0%)

Magenta (83%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (87%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6881, 15.5260, 49.5235 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 30.6881, 15.5260, 49.5235 by changing the saturation by 10% instead.

 30.6881, 15.5260,
49.5235


 30.6881, 15.5260,
49.5235


296.9514,
226.5283, 401.4812

 20.5121, 9.1894,
34.6664


 60.1279, 35.7733,
90.8575


 12.8783, 4.8649,
23.1245


 80.1224, 50.4528,
118.1715

 7.4212, 2.1682,
14.4793


 104.1204, 68.6821,
150.4748

 3.7755, 0.7026,
8.3122

 132.4874, 90.8455,
188.1861

 1.5759, 0.0000,
4.2048

 165.5886,
117.3274, 231.7238

 0.3767, 0.0000,
1.7383

 203.7895,

 0.0000, 0.0000,

148.5122, 281.5066

0.3868

247.4553,
184.7844, 337.9528

■ 0.0000, 0.0000,
0.0000

■ 30.6881, 15.5260,
49.5235

■ 30.6881, 15.5260,
49.5235

■ 30.3173, 14.7838,
49.3999

■ 31.3519, 16.8530,
49.7449

■ 30.1719, 14.4931,
49.3514

■ 32.3503, 18.8498,
50.0778

■ 33.7203, 21.5899,
50.5345

■ 35.4936, 25.1364,
51.1257

■ 37.6984, 29.5460,
51.8606

■ 40.3604, 34.8699,
52.7480

■ 43.5033, 41.1557,
53.7957

■ 47.1492, 48.4475,
55.0111

■ 51.3188, 56.7867,
56.4010

Harmonies

Analogous

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



22.6319, 15.5260, 85.8187



30.6881, 15.5260, 49.5235



34.3706, 15.5260, 18.3451

Triad

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



30.6881, 15.5260, 49.5235



15.2516, 15.5260, 0.0000



5.3386, 15.5260, 44.7201

Complementary

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



30.6881, 15.5260, 49.5235



19.0547, 36.8073, 7.4676

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.



4.5274, 15.5260, 15.5427



30.6881, 15.5260, 49.5235



8.9604, 15.5260, 0.1858

Square

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



30.6881, 15.5260, 49.5235



23.7773, 15.5260, 0.3934



5.5908, 15.5260, 3.1166



8.3666, 15.5260, 81.7471

Rectangle

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



30.6881, 15.5260, 49.5235



33.1521, 15.5260, 7.0634



5.5908, 15.5260, 3.1166



4.8542, 15.5260, 33.2090

Sweetspot

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



30.6887, 15.5267, 49.5238



71.0948, 60.0719, 94.0739



10.2982, 5.0150, 48.5700



14.9228, 12.1865, 20.1082



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.6887, 15.5267, 49.5238



54.0371, 25.9568, 88.3872



24.3455, 12.9894, 16.1208



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Inverse Universe

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



30.6887, 15.5267, 49.5238



54.0371, 25.9568, 88.3872



21.6360, 37.8398, 21.0602



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 30.6881, 15.5260, 49.5235 looks on a white background.

Color Contrast Check

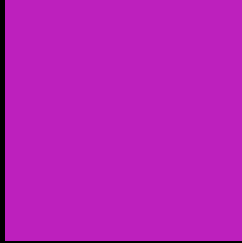
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6881, 15.5260, 49.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

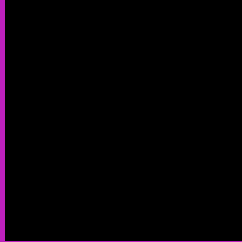
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.6881, 15.5260, 49.5235

Background



This preview shows how black text looks on a background with the XYZ color 30.6881, 15.5260, 49.5235.



This preview shows how white text looks on a background with the XYZ color 30.6881, 15.5260,

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

30.6881, 15.5260, 49.5235

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.3189, 15.9228, 44.3328



Tritanopia

22.5277, 15.5792, 10.2072

Trichromacy



Original Color

30.6881, 15.5260, 49.5235



Protanomaly

17.3331, 11.8066, 64.3161



Deuteranomaly

18.4002, 12.9894, 45.7934



Tritanomaly

24.2915, 14.6741, 19.9644

Monochromacy



Original Color

30.6881, 15.5260, 49.5235



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

15.6177, 11.1226, 22.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6881, 15.5260, 49.5235 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(189, 32, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 32, 189)  
}
```

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(189, 32, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 32, 189) }
```

Border

The CSS property to change the border of an element to XYZ 30.6881, 15.5260, 49.5235 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(189, 32, 189) }
```


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

```
.border{ border-color:rgb(189, 32, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 32, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 32, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 32, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 32,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6881, 15.5260, 49.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 32, 189) }
```

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

```
.background{ background-color: rgb(189, 32,  
189) }
```

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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