

Converting Colors

XYZ(29.5888, 16.4977, 57.6319)

Have a look what the booklet for
XYZ(29.5888, 16.4977, 57.6319)
contains.

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Color

**XYZ(29.5630, 16.4860,
57.5011)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3DCA
RGB	173, 61, 202
RGB Percent	68%, 24%, 79%
CMY	0.3216, 0.7608, 0.2078
CMYK	0.14, 0.70, 0.00, 0.21
HSL	288°, 57%, 52%
HSV	288°, 70%, 79%
XYZ	29.5630, 16.4860, 57.5011
YIQ	110.5620, 21.4910, 67.5950

Conversions

Conversions Part 2

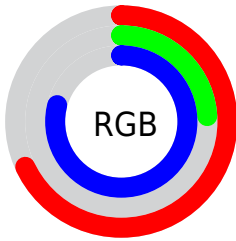
Format	Color
R_{YB}	173, 61, 202
Decimal	11353546
CIE _{Lab}	47.61, 64.61, -51.99
CIE _{LCh}	48, 82.932, 321.174
Yxy	16.4860, 0.2855, 0.1592
Android (android.graphics.Color)	4289543626 (0xFFAD3DCA)
YUV	110.5620, 45.0789, 54.7581
Hunter-Lab	40.6030, 58.9106, -55.5433

Details

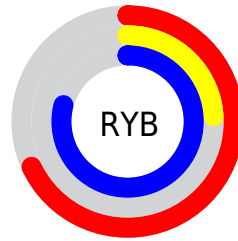
The XYZ color **29.5630, 16.4860, 57.5011** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **26.1798, 44.7520, 11.6737**, and the grayscale version is **14.8533, 15.6268, 17.0176**.

A 20% lighter version of the original color is **57.6900, 37.0984, 98.7278**, and **12.4689, 5.8196, 28.0699** is the 20% darker color. If you saturate the color by 10%, you get **27.7764, 14.2548, 57.1649**, and if you desaturate by 10%, it is **31.7855, 19.5451, 57.9747**.

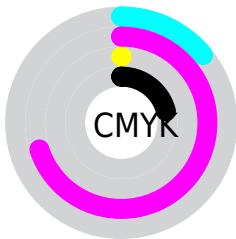
Distribution



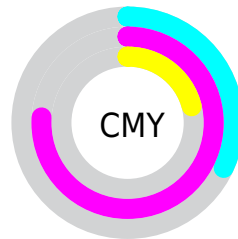
- Red (68%)
- Green (24%)
- Blue (79%)



- Red (68%)
- Yellow (24%)
- Blue (79%)



- Cyan (14%)
- Magenta (70%)
- Yellow (0%)
- Black (21%)



- Cyan (32%)
- Magenta (76%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5630, 16.4860, 57.5011 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 29.5630, 16.4860, 57.5011 by changing the saturation by 10% instead.

■ 29.5630, 16.4860,
57.5011

■ 29.5630, 16.4860,
57.5011

291.8087,
232.1927, 432.8706

■ 19.6536, 9.8687,
40.9957

■ 58.3618, 37.4399,
102.7036

■ 12.2503, 5.3120,
27.9960

■ 77.9818, 52.5453,
132.2377

■ 6.9878, 2.4315,
18.0836

■ 101.5695, 71.2488,
166.9518

■ 3.5007, 0.8420,
10.8400

■ 129.4900, 93.9349,
207.2643

■ 1.4237, 0.0000,
5.8465

■ 162.1089,
120.9880, 253.5940

■ 0.2730, 0.0000,
2.6847

199.7913,

■ 0.0000, 0.0000,

152.7923, 306.3592

0.9357

242.9028,
189.7324, 365.9786

■ 0.0000, 0.0000,
0.0000

■ 29.5630, 16.4860,
57.5011

■ 29.5630, 16.4860,
57.5011

■ 27.7764, 14.2548,
57.1649

■ 31.7855, 19.5451,
57.9747

■ 26.3749, 12.7526,
56.9488

■ 34.4828, 23.5118,
58.5982

■ 25.2702, 11.8023,
56.8236

■ 37.6918, 28.4587,
59.3839

■ 25.2491, 11.7849,
56.8213

■ 41.4451, 34.4504,
60.3426

■ 45.7721, 41.5460,
61.4841

■ 50.7006, 49.8001,
62.8176

■ 56.2560, 59.2637,
64.3514

■ 62.4626, 69.9845,
66.0936

■ 69.3432, 82.0080,
68.0517

Harmonies

Analogous

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



21.3873, 16.4860, 88.9983



29.5630, 16.4860, 57.5011



34.3393, 16.4860, 24.9518

Triad

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



29.5630, 16.4860, 57.5011



17.9540, 16.4860, 0.0090



5.7983, 16.4860, 37.0440

Complementary

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



29.5630, 16.4860, 57.5011



26.1798, 44.7520, 11.6737

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.



5.3998, 16.4860, 12.3990



29.5630, 16.4860, 57.5011



11.0740, 16.4860, 0.3318

Square

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



29.5630, 16.4860, 57.5011



26.3822, 16.4860, 1.2449



6.9971, 16.4860, 2.6105



8.3382, 16.4860, 72.0387

Rectangle

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



29.5630, 16.4860, 57.5011



34.1688, 16.4860, 11.1586



6.9971, 16.4860, 2.6105



5.4497, 16.4860, 27.0555

Sweetspot

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



29.5637, 16.4867, 57.5015



76.3452, 68.4341, 103.7930



16.3740, 12.8337, 57.4915



15.8895, 13.9038, 22.0962



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.



29.5637, 16.4867, 57.5015



45.6845, 22.6329, 96.5685



32.5524, 18.5050, 36.0626



11.4528, 11.2827, 14.1445



16.3227, 7.6222, 36.5672



0.9006, 0.4234, 1.8892

Inverse Universe

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



27.8718, 16.6328, 11.4149



43.6599, 23.4856, 10.7961



25.3920, 44.1722, 19.4877



11.3051, 11.2508, 12.1414



15.9636, 8.1960, 2.2608



0.8517, 0.4341, 0.2648

Previews

White Background



This preview shows how the XYZ color 29.5630, 16.4860, 57.5011 looks on a white background.

Color Contrast Check

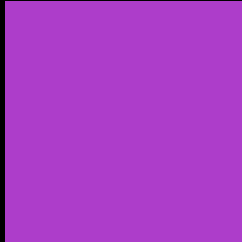
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5630, 16.4860, 57.5011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

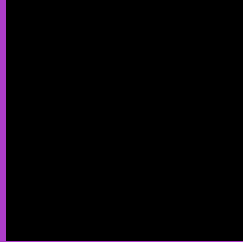
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.5630, 16.4860, 57.5011

Background



This preview shows how black text looks on a background with the XYZ color 29.5630, 16.4860, 57.5011.



This preview shows how white text looks on a background with the XYZ color 29.5630, 16.4860,

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

29.5630, 16.4860, 57.5011

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

17.2738, 16.7256, 52.7700



Tritanopia

20.7886, 16.5147, 14.6623

Trichromacy



Original Color

29.5630, 16.4860, 57.5011



Protanomaly

18.9282, 13.9315, 70.0980



Deuteranomaly

19.2016, 14.8226, 54.0736



Tritanomaly

22.9905, 15.9140, 25.9047

Monochromacy



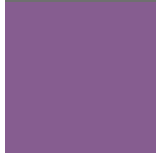
Original Color

29.5630, 16.4860, 57.5011



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.7799, 14.9107, 28.2738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5630, 16.4860, 57.5011 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(173, 61, 202)` looks like.

```
.text, #text, p{  
    color:rgb(173, 61, 202)  
}
```

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(173, 61, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 61, 202) }
```

Border

The CSS property to change the border of an element to XYZ 29.5630, 16.4860, 57.5011 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(173, 61, 202) }
```


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

```
.border{ border-color:rgb(173, 61, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 61, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 61, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 61, 202);  
box-shadow:4px 4px 4px 4px rgb(173, 61,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5630, 16.4860, 57.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 61, 202) }
```

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

```
.background{ background-color: rgb(173, 61,  
202) }
```

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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