

Converting Colors

XYZ(29.6618, 16.8687, 65.3110)

Have a look what the booklet for
XYZ(29.6618, 16.8687, 65.3110)
contains.

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Color

**XYZ(29.6618, 16.8687,
65.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	A543D6
RGB	165, 67, 214
RGB Percent	65%, 26%, 84%
CMY	0.3529, 0.7372, 0.1608
CMYK	0.23, 0.69, 0.00, 0.16
HSL	280°, 64%, 55%
HSV	280°, 69%, 84%
XYZ	29.6618, 16.8687, 65.3110
YIQ	113.0600, 11.2210, 66.4930

Conversions

Conversions Part 2

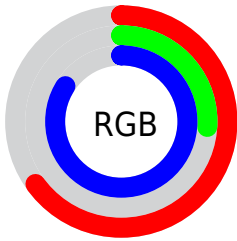
Format	Color
RYB	165, 67, 214
Decimal	10830806
CIELab	48.09, 62.88, -58.16
CIELCh	48, 85.656, 317.232
Yxy	16.8687, 0.2652, 0.1508
Android (android.graphics.Color)	4289020886 (0xFFA543D6)
YUV	113.0600, 49.7634, 45.5514
Hunter-Lab	41.0715, 57.0373, -65.5315

Details

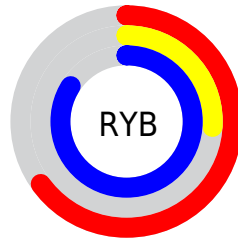
The XYZ color **29.6618, 16.8687, 65.3110** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **32.2626, 52.2118, 13.6882**, and the grayscale version is **15.5694, 16.3802, 17.8381**.

A 20% lighter version of the original color is **55.7500, 36.9864, 98.8085**, and **12.3559, 5.6568, 32.7884** is the 20% darker color. If you saturate the color by 10%, you get **27.1741, 14.0340, 64.8953**, and if you desaturate by 10%, it is **32.7036, 20.6869, 65.8880**.

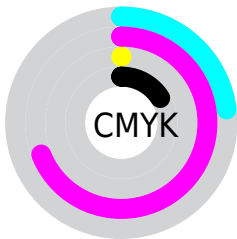
Distribution



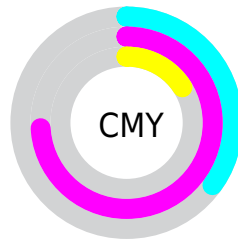
- Red (65%)
- Green (26%)
- Blue (84%)



- Red (65%)
- Yellow (26%)
- Blue (84%)



- Cyan (23%)
- Magenta (69%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (74%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6618, 16.8687, 65.3110 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 29.6618, 16.8687, 65.3110 by changing the saturation by 10% instead.

■ 29.6618, 16.8687,
65.3110

■ 29.6618, 16.8687,
65.3110

292.2630,
234.4146, 462.2455

■ 19.7288, 10.1409,
47.2604

■ 58.5172, 38.0999,
114.1144

■ 12.3052, 5.4925,
32.8857

■ 78.1704, 53.3721,
145.7043

■ 7.0256, 2.5390,
21.7685

■ 101.7943, 72.2612,
182.6443

■ 3.5246, 0.8961,
13.4902

■ 129.7544, 95.1517,
225.3530

■ 1.4369, 0.0000,
7.6323

■ 162.4159,
122.4278, 274.2489

■ 0.2823, 0.0000,
3.7762

200.1443,

■ 0.0000, 0.0000,

154.4741, 329.7506

1.5034

243.3049,
191.6749, 392.2766

■ 0.0000, 0.0000,
0.2204

■ 0.0000, 0.0000,
0.0000

■ 29.6618, 16.8687,
65.3110

■ 29.6618, 16.8687,
65.3110

■ 27.1741, 14.0340,
64.8953

■ 32.7036, 20.6869,
65.8880

■ 25.1820, 12.0708,
64.6213

■ 36.3450, 25.5803,
66.6406

■ 23.6004, 10.8095,
64.4612

■ 40.6288, 31.6319,
67.5829

■ 23.4080, 10.6651,
64.4435

■ 45.5931, 38.9159,
68.7272

■ 51.2727, 47.5001,
70.0847

■ 57.7000, 57.4476,
71.6660

■ 64.9051, 68.8168,
73.4808

■ 72.9166, 81.6632,
75.5381

■ 80.2750, 93.0662,
77.3513

Harmonies

Analogous

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



20.8692, 16.8687, 96.8124



29.6618, 16.8687, 65.3110



35.4186, 16.8687, 29.5157

Triad

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



29.6618, 16.8687, 65.3110



19.5601, 16.8687, 0.0000



5.5911, 16.8687, 34.1470

Complementary

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



29.6618, 16.8687, 65.3110



32.2626, 52.2118, 13.6882

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.



5.4435, 16.8687, 10.4526



29.6618, 16.8687, 65.3110



12.0087, 16.8687, 0.0776

Square

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



29.6618, 16.8687, 65.3110



28.4412, 16.8687, 1.4704



7.3882, 16.8687, 1.9520



7.8890, 16.8687, 70.9453

Rectangle

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



29.6618, 16.8687, 65.3110



35.8446, 16.8687, 13.4982



7.3882, 16.8687, 1.9520



5.3227, 16.8687, 24.2853

Sweetspot

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



29.6626, 16.8694, 65.3114



74.0170, 67.2338, 103.6841



20.6983, 18.5398, 66.1063



15.3315, 13.6161, 22.0701



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.



29.6626, 16.8694, 65.3114



39.1034, 19.5180, 96.3141



38.9789, 22.0068, 50.6230



12.5322, 12.4157, 15.6735



14.2630, 6.5053, 38.9571



0.9464, 0.4368, 2.3537

Inverse Universe

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



32.8915, 19.5719, 18.5676



45.3422, 24.4578, 18.7319



28.2718, 50.0508, 18.1823



12.5923, 12.4884, 13.7932



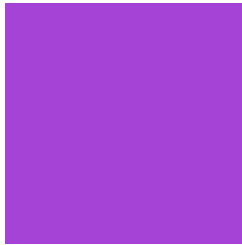
17.4992, 8.9360, 4.6667



1.0934, 0.5541, 0.4810

Previews

White Background



This preview shows how the XYZ color 29.6618, 16.8687, 65.3110 looks on a white background.

Color Contrast Check

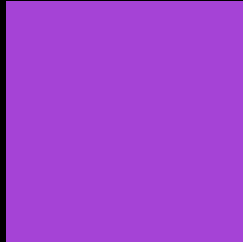
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6618, 16.8687, 65.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

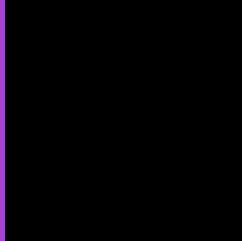
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6618, 16.8687, 65.3110

Background



This preview shows how black text looks on a background with the XYZ color 29.6618, 16.8687, 65.3110.



This preview shows how white text looks on a background with the XYZ color 29.6618, 16.8687,

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

29.6618, 16.8687, 65.3110

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.6657, 17.1052, 60.1282



Tritanopia

19.6267, 16.7074, 16.6584

Trichromacy



Original Color

29.6618, 16.8687, 65.3110



Protanomaly

19.7313, 14.5121, 74.4342



Deuteranomaly

18.7333, 14.8259, 61.5488



Tritanomaly

22.1653, 16.1214, 29.5473

Monochromacy



Original Color

29.6618, 16.8687, 65.3110



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

19.2036, 15.4733, 30.8287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6618, 16.8687, 65.3110 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(165, 67, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 67, 214)  
}
```

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(165, 67, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 67, 214) }
```

Border

The CSS property to change the border of an element to XYZ 29.6618, 16.8687, 65.3110 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(165, 67, 214) }
```


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

```
.border{ border-color:rgb(165, 67, 214) }
```

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

Here you see how a box with a 4 pixel rgb(165, 67, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 67, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 67, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 67,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6618, 16.8687, 65.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 67, 214) }
```

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

```
.background{ background-color: rgb(165, 67,  
214) }
```

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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