

Converting Colors

XYZ(29.2887, 18.7965, 62.6264)

Have a look what the booklet for
XYZ(29.2887, 18.7965, 62.6264)
contains.

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Color

**XYZ(29.2149, 18.7908,
62.4088)**

Conversions

Conversions Part 1

Format	Color
Hex	9F57D1
RGB	159, 87, 209
RGB Percent	62%, 34%, 82%
CMY	0.3765, 0.6588, 0.1804
CMYK	0.24, 0.58, 0.00, 0.18
HSL	275°, 57%, 58%
HSV	275°, 58%, 82%
XYZ	29.2149, 18.7908, 62.4088
YIQ	122.4360, 3.7500, 53.2060

Conversions

Conversions Part 2

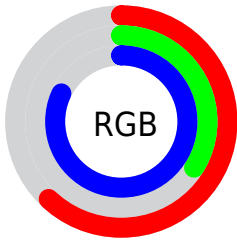
Format	Color
R_{YB}	159, 87, 209
Decimal	10442705
CIE _{Lab}	50.44, 51.05, -51.58
CIE _{LCh}	50, 72.571, 314.705
Yxy	18.7908, 0.2646, 0.1702
Android (android.graphics.Color)	4288632785 (0xFF9F57D1)
YUV	122.4360, 42.6761, 32.0666
Hunter-Lab	43.3484, 44.4416, -55.0162

Details

The XYZ color **29.2149, 18.7908, 62.4088** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **34.8377, 51.6078, 17.1426**, and the grayscale version is **18.5058, 19.4695, 21.2023**.

A 20% lighter version of the original color is **55.7470, 40.5751, 99.5013**, and **12.1427, 6.4782, 31.1823** is the 20% darker color. If you saturate the color by 10%, you get **26.1212, 15.0375, 61.8477**, and if you desaturate by 10%, it is **32.9176, 23.5856, 63.1395**.

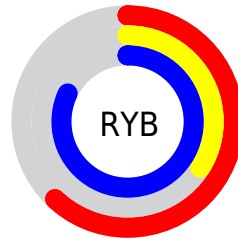
Distribution



Red (62%)

Green (34%)

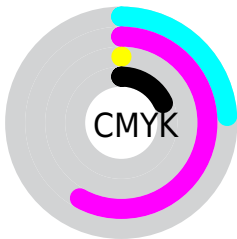
Blue (82%)



Red (62%)

Yellow (34%)

Blue (82%)

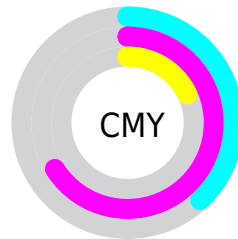


Cyan (24%)

Magenta (58%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (66%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2149, 18.7908, 62.4088 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 29.2149, 18.7908, 62.4088 by changing the saturation by 10% instead.

■ 29.2149, 18.7908,
62.4088

■ 29.2149, 18.7908,
62.4088

290.2035,
245.2914, 451.4694

■ 19.3885, 11.5192,
44.9252

■ 57.8135, 41.3803,
109.8935

■ 12.0570, 6.4172,
31.0560

■ 77.3165, 57.4670,
140.7316

■ 6.8550, 3.1004,
20.3827

■ 100.7758, 77.2609,
176.8583

■ 3.4171, 1.1844,
12.4867

■ 128.5567,
101.1463, 218.6921

■ 1.3780, 0.0489,
6.9495

161.0246,
129.5077, 266.6516

■ 0.2405, 0.0000,
3.3526

198.5447,

■ 0.0000, 0.0000,

162.7294, 321.1553

1.2774

241.4826,
201.1958, 382.6217

■ 0.0000, 0.0000,
0.0431

■ 0.0000, 0.0000,
0.0000

■ 29.2149, 18.7908,
62.4088

■ 29.2149, 18.7908,
62.4088

■ 26.1212, 15.0375,
61.8477

■ 32.9176, 23.5856,
63.1395

■ 23.5881, 12.2352,
61.4403

■ 37.2677, 29.4978,
64.0514


■ 21.5629, 10.2808,
61.1698

■ 42.3027, 36.5984,
65.1565


■ 19.9652, 9.0178,
61.0103


■ 48.0565, 44.9518,
66.4657


 19.7267, 8.8400,
60.9885

 54.5605, 54.6178,
67.9886

 61.8441, 65.6521,
69.7345

 69.9351, 78.1072,
71.7122

 78.8598, 92.0329,
73.9297

 81.8911, 93.9720,
74.1442

Harmonies

Analogous

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



21.5330, 18.7908, 85.8254



29.2149, 18.7908, 62.4088



34.4186, 18.7908, 32.5274

Triad

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



29.2149, 18.7908, 62.4088



21.6865, 18.7908, 1.2037



7.6832, 18.7908, 32.0026

Complementary

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



29.2149, 18.7908, 62.4088



34.8377, 51.6078, 17.1426

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.



7.7039, 18.7908, 11.8211



29.2149, 18.7908, 62.4088



14.6306, 18.7908, 1.1881

Square

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



29.2149, 18.7908, 62.4088



29.3526, 18.7908, 3.4856



9.9104, 18.7908, 3.3991



9.8437, 18.7908, 61.8144

Rectangle

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



29.2149, 18.7908, 62.4088



35.0969, 18.7908, 17.4336



9.9104, 18.7908, 3.3991



7.4581, 18.7908, 23.8178

Sweetspot

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



29.2157, 18.7915, 62.4092



75.5298, 70.7352, 104.2802



24.5043, 24.7596, 63.8095



15.5711, 14.2679, 22.1832



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.



29.2157, 18.7915, 62.4092



39.9240, 22.3843, 96.8241



39.9926, 24.4881, 56.5507



11.8228, 11.7575, 14.8899



12.2771, 5.5094, 37.6088



0.7753, 0.3539, 2.1070

Inverse Universe

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



34.2185, 22.1784, 26.1447



49.3363, 28.6889, 31.6457



28.8969, 48.4938, 19.1880



12.0067, 11.8874, 13.3112



17.2858, 8.7871, 6.4111



1.0055, 0.5069, 0.5638

Previews

White Background



This preview shows how the XYZ color 29.2149, 18.7908, 62.4088 looks on a white background.

Color Contrast Check

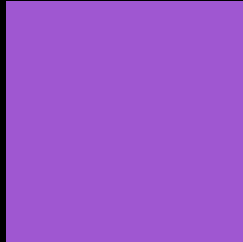
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2149, 18.7908, 62.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

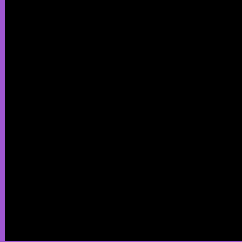
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2149, 18.7908, 62.4088

Background



This preview shows how black text looks on a background with the XYZ color 29.2149, 18.7908, 62.4088.



This preview shows how white text looks on a background with the XYZ color 29.2149, 18.7908,

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

29.2149, 18.7908, 62.4088

Protanopia

22.7398, 19.1942, 84.1677

Deuteranopia

19.5479, 18.9958, 58.5134



Tritanopia

20.5762, 18.6542, 20.2854

Trichromacy



Original Color

29.2149, 18.7908, 62.4088



Protanomaly

22.7113, 17.5894, 75.5969



Deuteranomaly

21.5251, 17.9417, 60.0862



Tritanomaly

22.8133, 18.1593, 32.0085

Monochromacy



Original Color

29.2149, 18.7908, 62.4088



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.2930, 18.4213, 33.0052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2149, 18.7908, 62.4088 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(159, 87, 209)` looks like.

```
.text, #text, p{  
    color:rgb(159, 87, 209)  
}
```

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(159, 87, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 87, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.2149, 18.7908, 62.4088 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(159, 87, 209) }
```


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

```
.border{ border-color:rgb(159, 87, 209) }
```

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

Here you see how a box with a 4 pixel rgb(159, 87, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 87, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 87, 209);  
box-shadow:4px 4px 4px 4px rgb(159, 87,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2149, 18.7908, 62.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 87, 209) }
```

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

```
.background{ background-color: rgb(159, 87,  
209) }
```

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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