

Converting Colors

XYZ(29.1335, 21.6974, 62.9678)

Have a look what the booklet for
XYZ(29.1335, 21.6974, 62.9678)
contains.

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Color

**XYZ(29.0839, 21.6245,
62.9627)**

Conversions

Conversions Part 1

Format	Color
Hex	946CD1
RGB	148, 108, 209
RGB Percent	58%, 42%, 82%
CMY	0.4196, 0.5765, 0.1804
CMYK	0.29, 0.48, 0.00, 0.18
HSL	264°, 52%, 62%
HSV	264°, 48%, 82%
XYZ	29.0839, 21.6245, 62.9627
YIQ	131.4740, -8.5810, 39.8910

Conversions

Conversions Part 2

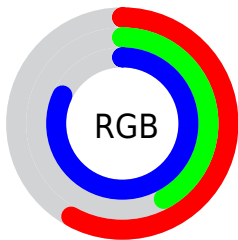
Format	Color
RYB	148, 108, 209
Decimal	9727185
CIELab	53.63, 36.82, -46.58
CIELCh	54, 59.373, 308.324
Yxy	21.6245, 0.2559, 0.1902
Android (android.graphics.Color)	4287917265 (0xFF946CD1)
YUV	131.4740, 38.2203, 14.4933
Hunter-Lab	46.5022, 30.2607, -47.7256

Details

The XYZ color **29.0839, 21.6245, 62.9627** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.8700, 55.1192, 22.6204**, and the grayscale version is **21.6133, 22.7388, 24.7626**.

A 20% lighter version of the original color is **55.5226, 45.1990, 100.4057**, and **12.0128, 7.8407, 31.4521** is the 20% darker color. If you saturate the color by 10%, you get **24.9781, 16.6190, 62.2133**, and if you desaturate by 10%, it is **33.9687, 27.8166, 63.9008**.

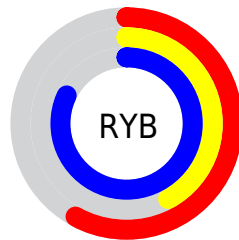
Distribution



Red (58%)

Green (42%)

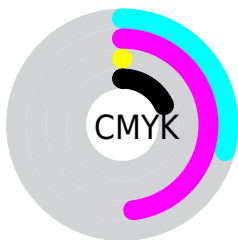
Blue (82%)



Red (58%)

Yellow (42%)

Blue (82%)

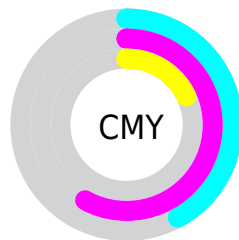


Cyan (29%)

Magenta (48%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (58%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0839, 21.6245, 62.9627 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 29.0839, 21.6245, 62.9627 by changing the saturation by 10% instead.

■ 29.0839, 21.6245,
62.9627

■ 29.0839, 21.6245,
62.9627

289.5977,
260.5790, 453.5383

■ 19.2889, 13.5812,
45.3702

■ 57.6070, 46.1246,
110.7008

■ 11.9845, 7.8300,
31.4041

■ 77.0658, 63.3502,
141.6834

■ 6.8052, 3.9864,
20.6457

■ 100.4766, 84.4054,
177.9666

■ 3.3858, 1.6659,
12.6765

■ 128.2047,
109.6746, 219.9687

■ 1.3609, 0.4015,
7.0781

160.6155,
139.5422, 268.1084

■ 0.2281, 0.0000,
3.4318

198.0744,

■ 0.0000, 0.0000,

174.3925, 322.8042

1.3191

240.9467,
214.6100, 384.4747

■ 0.0000, 0.0000,
0.0774

■ 0.0000, 0.0000,
0.0000

■ 29.0839, 21.6245,
62.9627

■ 29.0839, 21.6245,
62.9627

■ 24.9781, 16.6190,
62.2133

■ 33.9687, 27.8166,
63.9008

■ 21.6024, 12.7167,
61.6380

■ 39.6721, 35.2658,
65.0381

■ 18.9058, 9.8270,
61.2224

■ 46.2338, 44.0401,
66.3858

■ 16.8282, 7.8431,
60.9490

■ 53.6902, 54.2016,
67.9542

■ 15.2830, 6.6056,
60.7915

■ 62.0754, 65.8084,
69.7526

■ 15.0560, 6.4322,
60.7700

■ 71.4214, 78.9154,
71.7899

■ 81.7590, 93.5745,
74.0746

■ 86.3300, 96.2603,
74.3521

■ 88.5087, 97.3835,
74.4540

Harmonies

Analogous

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



22.3706, 21.6245, 77.7892



29.0839, 21.6245, 62.9627



34.1012, 21.6245, 38.9496

Triad

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



29.0839, 21.6245, 62.9627



25.3962, 21.6245, 3.7155



10.6920, 21.6245, 28.9742

Complementary

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



29.0839, 21.6245, 62.9627



41.8700, 55.1192, 22.6204

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.



11.1738, 21.6245, 12.8555



29.0839, 21.6245, 62.9627



18.8374, 21.6245, 3.1348

Square

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



29.0839, 21.6245, 62.9627



31.6855, 21.6245, 7.8464



13.8790, 21.6245, 5.3969



12.3920, 21.6245, 52.5332

Rectangle

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



29.0839, 21.6245, 62.9627



35.3170, 21.6245, 24.5818



13.8790, 21.6245, 5.3969



10.6124, 21.6245, 22.5386

Sweetspot

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



29.0847, 21.6253, 62.9632



77.2076, 75.4373, 105.0993



32.1216, 36.6482, 65.7029



15.9923, 15.4223, 22.3839



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.



29.0847, 21.6253, 62.9632



38.9760, 25.8282, 97.5388



39.9545, 27.2289, 63.4719



11.6004, 11.6428, 14.8795



9.3870, 4.0195, 37.4736



0.6132, 0.2703, 2.0994

Inverse Universe

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



38.8191, 27.1457, 40.7303



56.5204, 35.8012, 56.4099



33.2236, 50.6618, 22.2158



12.1043, 11.9264, 13.8248



18.5931, 9.3101, 13.2955



1.0781, 0.5360, 0.9462

Previews

White Background



This preview shows how the XYZ color 29.0839, 21.6245, 62.9627 looks on a white background.

Color Contrast Check

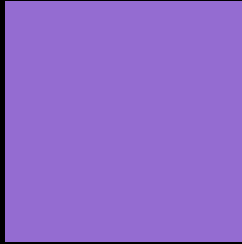
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0839, 21.6245, 62.9627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

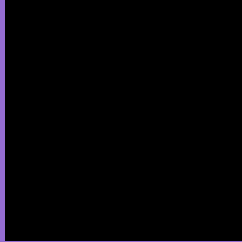
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0839, 21.6245, 62.9627

Background



This preview shows how black text looks on a background with the XYZ color 29.0839, 21.6245, 62.9627.



This preview shows how white text looks on a background with the XYZ color 29.0839, 21.6245,

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

29.0839, 21.6245, 62.9627

Protanopia

24.4915, 21.9425, 74.1786

Deuteranopia

22.3948, 21.7309, 60.7718



Tritanopia

21.5383, 21.4848, 25.9335

Trichromacy



Original Color

29.0839, 21.6245, 62.9627

Protanomaly

25.4464, 21.4339, 69.8138

Deuteranomaly

24.0414, 21.2568, 61.2284

Tritanomaly

23.7659, 21.2913, 37.0394

Monochromacy



Original Color

29.0839, 21.6245, 62.9627

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.6575, 21.9875, 35.7980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0839, 21.6245, 62.9627 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(148, 108, 209)` looks like.

```
.text, #text, p{  
    color:rgb(148, 108, 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(148, 108, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 108, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.0839, 21.6245, 62.9627 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(148, 108, 209) }
```


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

```
.border{ border-color:rgb(148, 108, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 108, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 108, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 108, 209);  
box-shadow:4px 4px 4px 4px rgb(148, 108,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0839, 21.6245, 62.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 108, 209) }
```

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

```
.background{ background-color: rgb(148,  
108, 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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