

Converting Colors

XYZ(29.8310, 23.7253, 66.0264)

Have a look what the booklet for
XYZ(29.8310, 23.7253, 66.0264)
contains.

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Color

**XYZ(29.9348, 23.8374,
65.9741)**

Conversions

Conversions Part 1

Format	Color
Hex	8F77D5
RGB	143, 119, 213
RGB Percent	56%, 47%, 84%
CMY	0.4392, 0.5333, 0.1647
CMYK	0.33, 0.44, 0.00, 0.16
HSL	255°, 53%, 65%
HSV	255°, 44%, 84%
XYZ	29.9348, 23.8374, 65.9741
YIQ	136.8920, -15.8700, 34.3220

Conversions

Conversions Part 2

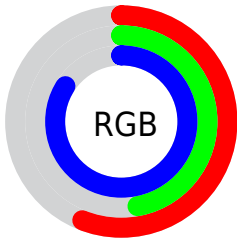
Format	Color
RYB	143, 119, 213
Decimal	9402325
CIELab	55.92, 30.17, -45.23
CIELCh	56, 54.368, 303.700
Yxy	23.8374, 0.2500, 0.1991
Android (android.graphics.Color)	4287592405 (0xFF8F77D5)
YUV	136.8920, 37.5212, 5.3567
Hunter-Lab	48.8236, 24.0011, -45.9407

Details

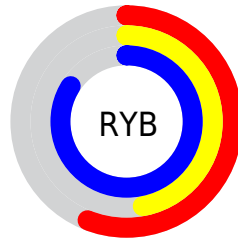
The XYZ color **29.9348, 23.8374, 65.9741** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.1105, 59.7395, 26.4487**, and the grayscale version is **23.6050, 24.8343, 27.0446**.

A 20% lighter version of the original color is **56.3557, 48.8672, 101.0698**, and **12.4815, 8.9728, 33.4218** is the 20% darker color. If you saturate the color by 10%, you get **25.1238, 18.0068, 65.1027**, and if you desaturate by 10%, it is **35.7039, 31.0059, 67.0541**.

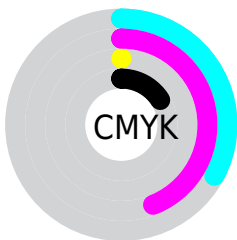
Distribution



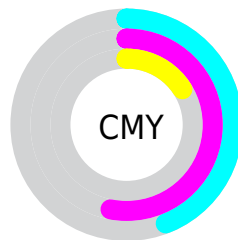
- Red (56%)
- Green (47%)
- Blue (84%)



- Red (56%)
- Yellow (47%)
- Blue (84%)



- Cyan (33%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9348, 23.8374, 65.9741 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 29.9348, 23.8374, 65.9741 by changing the saturation by 10% instead.

■ 29.9348, 23.8374,
65.9741

■ 29.9348, 23.8374,
65.9741

293.5157,
271.9974, 464.6859

■ 19.9369, 15.2130,
47.7950

■ 58.9464, 49.7647,
115.0758

■ 12.4572, 8.9690,
33.3058

■ 78.6908, 67.8365,
146.8355

■ 7.1303, 4.7210,
22.0877

■ 102.4148, 89.8262,
183.9592

■ 3.5908, 2.0845,
13.7225

130.4837,
116.1182, 226.8654

■ 1.4733, 0.6559,
7.7913

163.2629,
147.0969, 275.9726

■ 0.3076, 0.0000,
3.8759

201.1177,

■ 0.0000, 0.0000,

183.1468, 331.6994

1.5575

244.4136,
224.6521, 394.4643

■ 0.0000, 0.0000,
0.2602

■ 0.0000, 0.0000,
0.0000

■ 29.9348, 23.8374,
65.9741

■ 29.9348, 23.8374,
65.9741

■ 25.1238, 18.0068,
65.1027

■ 35.7039, 31.0059,
67.0541

■ 21.2135, 13.4264,
64.4247

■ 42.4785, 39.5873,
68.3534

■ 18.1444, 10.0016,
63.9254

■ 50.3060, 49.6539,
69.8839

■ 15.8478, 7.6232,
63.5874

■ 59.2298, 61.2724,
71.6562

■ 14.2426, 6.1592,
63.3894

■ 69.2910, 74.5054,
73.6802

■ 13.5525, 5.5991,
63.3176

■ 80.5284, 89.4120,
75.9651

■ 88.6556, 97.4012,
77.0789

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



23.4347, 23.8374, 77.0989



29.9348, 23.8374, 65.9741



35.1107, 23.8374, 44.2084

Triad

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



29.9348, 23.8374, 65.9741



28.3590, 23.8374, 5.8037



12.7220, 23.8374, 28.2209

Complementary

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



29.9348, 23.8374, 65.9741



48.1105, 59.7395, 26.4487

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.



13.5627, 23.8374, 13.5775



29.9348, 23.8374, 65.9741



21.8962, 23.8374, 4.6193

Square

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



29.9348, 23.8374, 65.9741



34.0906, 23.8374, 11.2477



16.6657, 23.8374, 6.6537



14.1165, 23.8374, 49.8771

Rectangle

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



29.9348, 23.8374, 65.9741



36.6897, 23.8374, 29.8839



16.6657, 23.8374, 6.6537



12.7541, 23.8374, 22.3862

Sweetspot

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



29.9357, 23.8383, 65.9747



76.8656, 76.2580, 105.2757



37.9240, 45.3374, 69.7034



15.8530, 15.5467, 22.4152



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.



29.9357, 23.8383, 65.9747



38.1432, 27.5221, 97.9097



39.7182, 28.8814, 66.4325



12.0369, 12.1604, 15.6503



8.3590, 3.4617, 38.6808



0.5814, 0.2486, 2.3367

Inverse Universe

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



43.2231, 31.0145, 51.8522



60.9219, 39.8503, 72.5328



38.3660, 54.7161, 25.9927



12.8113, 12.5760, 14.9464



20.6074, 10.1793, 21.0346



1.2756, 0.6270, 1.4404

Previews

White Background



This preview shows how the XYZ color 29.9348, 23.8374, 65.9741 looks on a white background.

Color Contrast Check

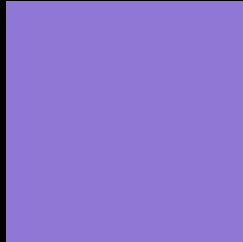
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9348, 23.8374, 65.9741 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 29.9348, 23.8374, 65.9741

Background



This preview shows how black text looks on a background with the XYZ color 29.9348, 23.8374, 65.9741.



This preview shows how white text looks on a background with the XYZ color 29.9348, 23.8374,

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

29.9348, 23.8374, 65.9741

Protanopia

26.2902, 24.0473, 73.7770

Deuteranopia

24.7740, 24.0830, 64.3155



Tritanopia

22.6892, 23.7617, 30.1787

Trichromacy



Original Color

29.9348, 23.8374, 65.9741

Protanomaly

27.1897, 23.7908, 70.8692

Deuteranomaly

26.2902, 23.8484, 64.8456

Tritanomaly

24.9375, 23.6711, 41.2848

Monochromacy



Original Color

29.9348, 23.8374, 65.9741

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.4216, 24.1708, 38.9229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9348, 23.8374, 65.9741 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(143, 119, 213)` looks like.

```
.text, #text, p{  
    color:rgb(143, 119, 213)  
}
```

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(143, 119, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 119, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.9348, 23.8374, 65.9741 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(143, 119, 213) }
```


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

```
.border{ border-color:rgb(143, 119, 213) }
```

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

Here you see how a box with a 4 pixel rgb(143, 119, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 119, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 119, 213);  
box-shadow:4px 4px 4px 4px rgb(143, 119,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9348, 23.8374, 65.9741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 119, 213) }
```

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

```
.background{ background-color: rgb(143,  
119, 213) }
```

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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