

Converting Colors

XYZ(29.9390, 21.7354, 57.8002)

Have a look what the booklet for
XYZ(29.9390, 21.7354, 57.8002)
contains.

XYZ(29.8923, 21.6911, 57.8697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8923, 21.6911,
57.8697)**

Conversions

Conversions Part 1

Format	Color
Hex	9F69C9
RGB	159, 105, 201
RGB Percent	62%, 41%, 79%
CMY	0.3765, 0.5882, 0.2118
CMYK	0.21, 0.48, 0.00, 0.21
HSL	274°, 47%, 60%
HSV	274°, 48%, 79%
XYZ	29.8923, 21.6911, 57.8697
YIQ	132.0900, 1.3680, 41.3040

Conversions

Conversions Part 2

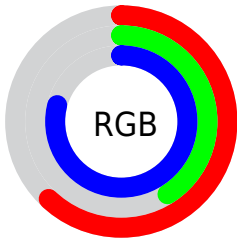
Format	Color
R _Y B	159, 105, 201
Decimal	10447305
CIE _{Lab}	53.70, 39.60, -41.84
CIE _{LCh}	54, 57.608, 313.430
Y _{xy}	21.6911, 0.2731, 0.1982
Android (android.graphics.Color)	4288637385 (0xFF9F69C9)
YUV	132.0900, 33.9726, 23.6001
Hunter-Lab	46.5737, 33.0623, -41.0686

Details

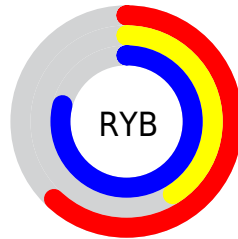
The XYZ color **29.8923, 21.6911, 57.8697** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.4695, 48.9967, 20.9532**, and the grayscale version is **21.8463, 22.9840, 25.0296**.

A 20% lighter version of the original color is **58.3012, 46.1208, 100.4371**, and **12.3802, 7.8110, 28.0493** is the 20% darker color. If you saturate the color by 10%, you get **26.3997, 17.2026, 57.1878**, and if you desaturate by 10%, it is **33.9944, 27.2128, 58.7197**.

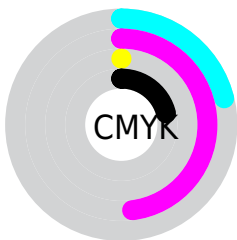
Distribution



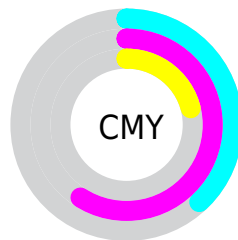
- Red (62%)
- Green (41%)
- Blue (79%)



- Red (62%)
- Yellow (41%)
- Blue (79%)



- Cyan (21%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)





- Cyan (38%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8923, 21.6911, 57.8697 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 29.8923, 21.6911, 57.8697 by changing the saturation by 10% instead.


 29.8923, 21.6911,
57.8697


 29.8923, 21.6911,
57.8697


293.3210,
260.9289, 434.2849


 19.9045, 13.6301,
41.2899

 58.8796, 46.2349,
103.2460


 12.4335, 7.8638,
28.2243


 78.6099, 63.4865,
132.8796

 7.1139, 4.0080,
18.2543


 102.3183, 84.5705,
167.7015

 3.5804, 1.6780,
10.9614

 130.3703,
109.8711, 208.1302

 1.4676, 0.4094,
5.9270

163.1312,
139.7729, 254.5844

 0.3036, 0.0000,
2.7327

200.9664,

 0.0000, 0.0000,

174.6602, 307.4826

0.9598

244.2412,
214.9174, 367.2432

■ 0.0000, 0.0000,
0.0000

■ 29.8923, 21.6911,
57.8697

■ 29.8923, 21.6911,
57.8697

■ 26.3997, 17.2026,
57.1878

■ 33.9944, 27.2128,
58.7197

■ 23.4769, 13.6742,
56.6608

■ 38.7373, 33.8289,
59.7467

■ 21.0830, 11.0270,
56.2760

■ 44.1527, 41.5988,
60.9610

■ 19.1692, 9.1678,
56.0180

■ 50.2696, 50.5766,
62.3715

■ 17.6663, 7.9620,
55.8645

■ 57.1151, 60.8132,
63.9866

■ 17.3611, 7.7321,
55.8362

■ 64.7147, 72.3562,
65.8141

■ 73.0925, 85.2510,
67.8615

■ 78.7280, 92.4529,
68.9546

■ 81.6112, 93.9393,
69.0895

Harmonies

Analogous

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



23.4958, 21.6911, 74.4555



29.8923, 21.6911, 57.8697



34.2017, 21.6911, 34.6898

Triad

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



29.8923, 21.6911, 57.8697



24.1875, 21.6911, 3.7296



11.0987, 21.6911, 32.4177

Complementary

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



29.8923, 21.6911, 57.8697



35.4695, 48.9967, 20.9532

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.



11.2104, 21.6911, 15.1949



29.8923, 21.6911, 57.8697



17.9830, 21.6911, 3.5906

Square

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



29.8923, 21.6911, 57.8697



30.4850, 21.6911, 7.1172



13.4909, 21.6911, 6.5418



13.1474, 21.6911, 55.5100

Rectangle

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



29.8923, 21.6911, 57.8697



34.8665, 21.6911, 21.6436



13.4909, 21.6911, 6.5418



10.8993, 21.6911, 25.7088

Sweetspot

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



29.8931, 21.6920, 57.8702



79.1854, 76.4569, 105.1919



26.9903, 28.4637, 59.3303



16.4730, 15.6702, 22.4064



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.



29.8931, 21.6920, 57.8702



45.1775, 29.4262, 97.9064



39.1261, 26.5160, 55.4004



10.6179, 10.5768, 13.3994



11.0226, 4.9166, 35.1124



0.6040, 0.2751, 1.6664

Inverse Universe

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



34.4060, 24.6279, 30.5444



54.3442, 35.3629, 43.6181



29.5166, 45.8985, 21.9992



10.8234, 10.7127, 12.0531



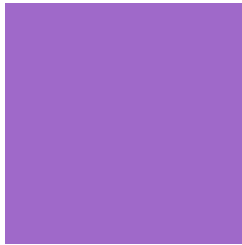
16.2954, 8.2677, 6.7655



0.8078, 0.4060, 0.5112

Previews

White Background



This preview shows how the XYZ color 29.8923, 21.6911, 57.8697 looks on a white background.

Color Contrast Check

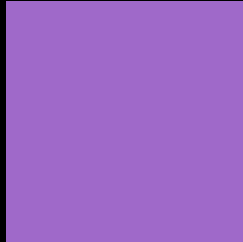
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8923, 21.6911, 57.8697 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 29.8923, 21.6911, 57.8697

Background



This preview shows how black text looks on a background with the XYZ color 29.8923, 21.6911, 57.8697.



This preview shows how white text looks on a background with the XYZ color 29.8923, 21.6911,

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

29.8923, 21.6911, 57.8697

Protanopia

24.2764, 21.9092, 70.6595

Deuteranopia

22.4023, 21.8568, 55.2626



Tritanopia

22.9667, 21.5165, 24.4153

Trichromacy



Original Color

29.8923, 21.6911, 57.8697

Protanomaly

25.4281, 21.3384, 65.7293

Deuteranomaly

24.3807, 21.3617, 56.2643

Tritanomaly

24.8940, 21.2411, 34.2404

Monochromacy



Original Color

29.8923, 21.6911, 57.8697

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.2007, 22.1042, 34.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8923, 21.6911, 57.8697 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, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(159, 105, 201)  
}
```

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, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 105, 201) }
```

Border

The CSS property to change the border of an element to XYZ 29.8923, 21.6911, 57.8697 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, 105, 201) }
```


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

```
.border{ border-color:rgb(159, 105, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 105, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(159, 105,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8923, 21.6911, 57.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 105, 201) }
```

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

```
.background{ background-color: rgb(159,  
105, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor