

Converting Colors

XYZ(30.0078, 23.0374, 60.6984)

Have a look what the booklet for
XYZ(30.0078, 23.0374, 60.6984)
contains.

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Color

**XYZ(29.8735, 22.8934,
60.6020)**

Conversions

Conversions Part 1

Format	Color
Hex	9871CD
RGB	152, 113, 205
RGB Percent	60%, 44%, 80%
CMY	0.4039, 0.5569, 0.1961
CMYK	0.26, 0.45, 0.00, 0.20
HSL	265°, 48%, 62%
HSV	265°, 45%, 80%
XYZ	29.8735, 22.8934, 60.6020
YIQ	135.1490, -6.2880, 36.8800

Conversions

Conversions Part 2

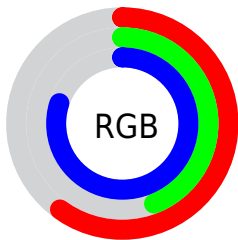
Format	Color
R_{YB}	152, 113, 205
Decimal	9990605
CIE _{Lab}	54.96, 34.08, -42.17
CIE _{LCh}	55, 54.217, 308.947
Yxy	22.8934, 0.2635, 0.2019
Android (android.graphics.Color)	4288180685 (0xFF9871CD)
YUV	135.1490, 34.4365, 14.7783
Hunter-Lab	47.8470, 27.7149, -41.6025

Details

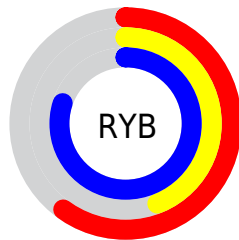
The XYZ color **29.8735, 22.8934, 60.6020** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.5382, 52.9623, 23.7097**, and the grayscale version is **22.9630, 24.1589, 26.3090**.

A 20% lighter version of the original color is **57.6986, 47.9023, 100.8128**, and **12.3754, 8.4655, 29.8359** is the 20% darker color. If you saturate the color by 10%, you get **25.7382, 17.7417, 59.8260**, and if you desaturate by 10%, it is **34.7472, 29.1934, 61.5615**.

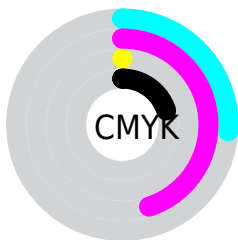
Distribution



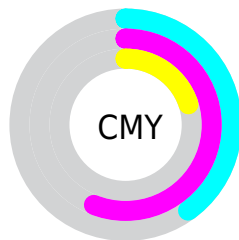
- Red (60%)
- Green (44%)
- Blue (80%)



- Red (60%)
- Yellow (44%)
- Blue (80%)



- Cyan (26%)
- Magenta (45%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8735, 22.8934, 60.6020 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 29.8735, 22.8934, 60.6020 by changing the saturation by 10% instead.

■ 29.8735, 22.8934,
60.6020

■ 29.8735, 22.8934,
60.6020

■ 293.2348,
267.1770, 444.6793

■ 19.8902, 14.5148,
43.4756

■ 58.8501, 48.2182,
107.2544

■ 12.4230, 8.4796,
29.9243

■ 78.5740, 65.9333,
137.6174

■ 7.1067, 4.4033,
19.5296

■ 102.2756, 87.5292,
173.2297

■ 3.5759, 1.9016,
11.8729

■ 130.3201,
113.3905, 214.5098

■ 1.4651, 0.5494,
6.5357

■ 163.0729,
143.9016, 261.8763

■ 0.3019, 0.0000,
3.0995

■ 200.8994,

■ 0.0000, 0.0000,

179.4467, 315.7477

1.1456

244.1649,
220.4104, 376.5425

■ 0.0000, 0.0000,
0.0000

■ 29.8735, 22.8934,
60.6020

■ 29.8735, 22.8934,
60.6020

■ 25.7382, 17.7417,
59.8260

■ 34.7472, 29.1934,
61.5615

■ 22.2970, 13.6619,
59.2199

■ 40.3947, 36.7060,
62.7140

■ 19.5044, 10.5721,
58.7707

■ 46.8521, 45.4938,
64.0699

■ 17.3077, 8.3769,
58.4627

■ 54.1525, 55.6144,
65.6385

■ 15.6432, 6.9607,
58.2771

■ 62.3267, 67.1215,
67.4288

■ 14.9411, 6.4295,
58.2116

■ 71.4042, 80.0662,
69.4490

■ 80.9316, 93.5338,
71.5463

■ 84.9539, 95.6074,
71.7346

■ 88.0195, 97.1878,
71.8780

Harmonies

Analogous

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



23.6091, 22.8934, 74.0823



29.8735, 22.8934, 60.6020



34.4428, 22.8934, 38.8268

Triad

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



29.8735, 22.8934, 60.6020



26.1864, 22.8934, 5.0275



12.2140, 22.8934, 30.4441

Complementary

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



29.8735, 22.8934, 60.6020



40.5382, 52.9623, 23.7097

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.



12.6488, 22.8934, 14.8172



29.8735, 22.8934, 60.6020



20.0091, 22.8934, 4.4307

Square

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



29.8735, 22.8934, 60.6020



32.0560, 22.8934, 9.3601



15.2663, 22.8934, 7.0164



13.9441, 22.8934, 52.0990

Rectangle

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



29.8735, 22.8934, 60.6020



35.4998, 22.8934, 25.5409



15.2663, 22.8934, 7.0164



12.1197, 22.8934, 24.3230

Sweetspot

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



29.8744, 22.8943, 60.6025



78.6914, 77.1992, 105.3612



31.5879, 35.4347, 62.9328



16.3006, 15.7774, 22.4362



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.



29.8744, 22.8943, 60.6025



42.2773, 29.2048, 98.0166



40.0385, 28.1341, 61.0782



11.0450, 11.0725, 14.1254



9.4050, 4.0560, 36.2435



0.5713, 0.2536, 1.8738

Inverse Universe

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



37.9654, 27.5432, 39.3919



57.6715, 38.0667, 56.9066



32.6511, 48.8964, 23.3406



11.4787, 11.3202, 13.0552



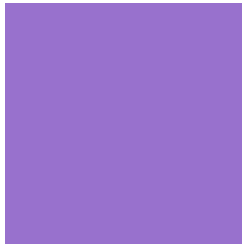
17.7612, 8.9151, 11.7269



0.9537, 0.4749, 0.8022

Previews

White Background



This preview shows how the XYZ color 29.8735, 22.8934, 60.6020 looks on a white background.

Color Contrast Check

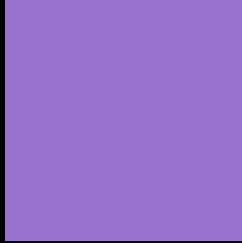
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8735, 22.8934, 60.6020 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 29.8735, 22.8934, 60.6020

Background



This preview shows how black text looks on a background with the XYZ color 29.8735, 22.8934, 60.6020.



This preview shows how white text looks on a background with the XYZ color 29.8735, 22.8934,

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

29.8735, 22.8934, 60.6020

Protanopia

25.2525, 23.1947, 70.1639

Deuteranopia

23.6959, 23.0463, 58.4578



Tritanopia

23.1218, 22.8488, 27.2364

Trichromacy



Original Color

29.8735, 22.8934, 60.6020

Protanomaly

26.2908, 22.6658, 66.6076

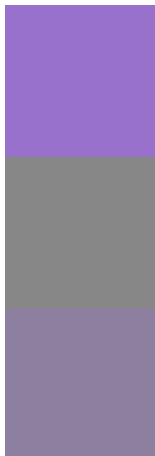
Deuteranomaly

25.3395, 22.5311, 58.8905

Tritanomaly

25.1061, 22.7038, 37.2415

Monochromacy



Original Color

29.8735, 22.8934, 60.6020

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9190, 23.3795, 36.4570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8735, 22.8934, 60.6020 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(152, 113, 205)` looks like.

```
.text, #text, p{  
    color:rgb(152, 113, 205)  
}
```

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(152, 113, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 113, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.8735, 22.8934, 60.6020 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(152, 113, 205) }
```


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

```
.border{ border-color:rgb(152, 113, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 113, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 113, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 113, 205);  
box-shadow:4px 4px 4px 4px rgb(152, 113,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8735, 22.8934, 60.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 113, 205) }
```

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

```
.background{ background-color: rgb(152,  
113, 205) }
```

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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