

Converting Colors

XYZ(31.2312, 23.6085, 51.7554)

Have a look what the booklet for
XYZ(31.2312, 23.6085, 51.7554)
contains.

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Color

**XYZ(31.2369, 23.6309,
51.6300)**

Conversions

Conversions Part 1

Format	Color
Hex	A870BE
RGB	168, 112, 190
RGB Percent	66%, 44%, 75%
CMY	0.3412, 0.5608, 0.2549
CMYK	0.12, 0.41, 0.00, 0.25
HSL	283°, 37%, 59%
HSV	283°, 41%, 75%
XYZ	31.2369, 23.6309, 51.6300
YIQ	137.6360, 8.3380, 36.1300

Conversions

Conversions Part 2

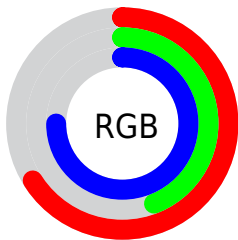
Format	Color
R_{YB}	168, 112, 190
Decimal	11038910
CIE _{Lab}	55.72, 35.93, -32.31
CIE _{LCh}	56, 48.318, 318.033
Yxy	23.6309, 0.2933, 0.2219
Android (android.graphics.Color)	4289228990 (0xFFA870BE)
YUV	137.6360, 25.8155, 26.6292
Hunter-Lab	48.6116, 29.6303, -28.9433

Details

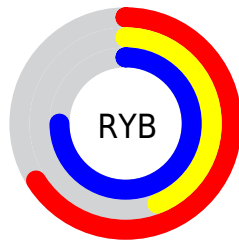
The XYZ color **31.2369, 23.6309, 51.6300** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **31.1703, 43.0656, 21.9999**, and the grayscale version is **23.9224, 25.1682, 27.4082**.

A 20% lighter version of the original color is **60.9841, 49.4730, 94.3307**, and **13.1060, 8.8002, 24.3004** is the 20% darker color. If you saturate the color by 10%, you get **28.2402, 19.2959, 50.9516**, and if you desaturate by 10%, it is **34.7246, 28.8767, 52.4591**.

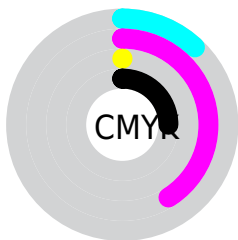
Distribution



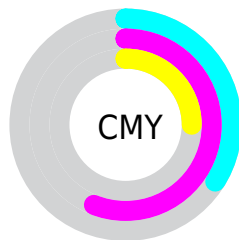
- Red (66%)
- Green (44%)
- Blue (75%)



- Red (66%)
- Yellow (44%)
- Blue (75%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (25%)



- Cyan (34%)
- Magenta (56%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2369, 23.6309, 51.6300 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 31.2369, 23.6309, 51.6300 by changing the saturation by 10% instead.

■ 31.2369, 23.6309,
51.6300

■ 31.2369, 23.6309,
51.6300

299.4357,
270.9491, 409.9228

■ 20.9320, 15.0600,
36.3300

■ 60.9862, 49.4272,
94.0064

■ 13.1865, 8.8615,
24.3975

■ 81.1613, 67.4215,
121.9198

■ 7.6350, 4.6510,
15.4138

■ 105.3571, 89.3256,
154.8749

■ 3.9121, 2.0440,
8.9605

■ 133.9391,
115.5241, 193.2900

■ 1.6525, 0.6328,
4.6190

167.2726,
146.4013, 237.5839

■ 0.4263, 0.0000,
1.9707

205.7230,

■ 0.0000, 0.0000,

182.3416, 288.1749

0.5372

249.6555,
223.7294, 345.4817

■ 0.0000, 0.0000,
0.0000

■ 31.2369, 23.6309,
51.6300

■ 31.2369, 23.6309,
51.6300

■ 28.2402, 19.2959,
50.9516

■ 34.7246, 28.8767,
52.4591

■ 25.7034, 15.8125,
50.4129

■ 38.7269, 35.0819,
53.4459

■ 23.5955, 13.1186,
50.0040

■ 43.2690, 42.2951,
54.5988

■ 21.8803, 11.1427,
49.7131

■ 48.3733, 50.5607,
55.9251

■ 20.5146, 9.7996,
49.5258

■ 54.0612, 59.9202,
57.4320

■ 19.5146, 8.9865,
49.4215

■ 60.3526, 70.4133,
59.1257

■ 67.2668, 82.0773,
61.0127

■ 71.8819, 89.0679,
62.1188

■ 73.4418, 89.8720,
62.1918

Harmonies

Analogous

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



25.8812, 23.6309, 66.3891



31.2369, 23.6309, 51.6300



34.4196, 23.6309, 32.5046

Triad

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



31.2369, 23.6309, 51.6300



24.7158, 23.6309, 6.0649



13.8604, 23.6309, 36.2429

Complementary

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



31.2369, 23.6309, 51.6300



31.1703, 43.0656, 21.9999

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.



13.6523, 23.6309, 19.9689



31.2369, 23.6309, 51.6300



19.3552, 23.6309, 6.3857

Square

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



31.2369, 23.6309, 51.6300



30.2651, 23.6309, 9.1877



15.5043, 23.6309, 10.3713



16.1281, 23.6309, 55.3050

Rectangle

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



31.2369, 23.6309, 51.6300



34.5867, 23.6309, 21.7407



15.5043, 23.6309, 10.3713



13.5624, 23.6309, 30.1797

Sweetspot

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



31.2377, 23.6319, 51.6305



77.4172, 75.0548, 98.6858



24.5162, 24.2413, 52.1024



16.7519, 16.0846, 21.6070



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2377, 23.6319, 51.6305



51.8110, 35.8676, 92.4715



34.5825, 25.5574, 42.6969



9.6606, 9.5574, 12.0078



13.0558, 6.0166, 32.8661



0.5723, 0.2671, 1.2902

Inverse Universe

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



31.3332, 24.2577, 25.5859



52.3355, 37.3473, 37.8610



29.0521, 41.8545, 27.2826



9.6378, 9.5794, 10.4818



14.5861, 7.4656, 3.1138



0.6004, 0.3040, 0.2749

Previews

White Background



This preview shows how the XYZ color 31.2369, 23.6309, 51.6300 looks on a white background.

Color Contrast Check

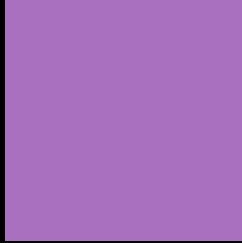
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2369, 23.6309, 51.6300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

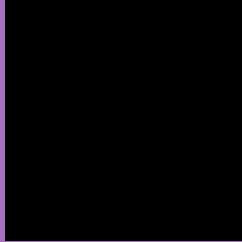
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2369, 23.6309, 51.6300

Background



This preview shows how black text looks on a background with the XYZ color 31.2369, 23.6309, 51.6300.



This preview shows how white text looks on a background with the XYZ color 31.2369, 23.6309,

51.6300.

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

31.2369, 23.6309, 51.6300

Protanopia

25.3203, 23.8146, 61.6547

Deuteranopia

24.3166, 23.7607, 49.7590



Tritanopia

26.0079, 23.6101, 25.7407

Trichromacy



Original Color

31.2369, 23.6309, 51.6300

Protanomaly

26.6862, 23.2526, 57.7253

Deuteranomaly

26.2949, 23.4060, 50.1456

Tritanomaly

27.6535, 23.5526, 33.6605

Monochromacy



Original Color

31.2369, 23.6309, 51.6300

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.3305, 24.5244, 35.2442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2369, 23.6309, 51.6300 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(168, 112, 190)` looks like.

```
.text, #text, p{  
    color:rgb(168, 112, 190)  
}
```

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(168, 112, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 112, 190) }
```

Border

The CSS property to change the border of an element to XYZ 31.2369, 23.6309, 51.6300 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(168, 112, 190) }
```


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

```
.border{ border-color:rgb(168, 112, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 112, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 112, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 112, 190);  
box-shadow:4px 4px 4px 4px rgb(168, 112,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2369, 23.6309, 51.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 112, 190) }
```

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

```
.background{ background-color: rgb(168,  
112, 190) }
```

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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