

Converting Colors

XYZ(30.1999, 22.9617, 54.1580)

Have a look what the booklet for
XYZ(30.1999, 22.9617, 54.1580)
contains.

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Color

**XYZ(30.2297, 23.0604,
53.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	A170C2
RGB	161, 112, 194
RGB Percent	63%, 44%, 76%
CMY	0.3686, 0.5608, 0.2392
CMYK	0.17, 0.42, 0.00, 0.24
HSL	276°, 40%, 60%
HSV	276°, 42%, 76%
XYZ	30.2297, 23.0604, 53.8968
YIQ	135.9990, 2.8820, 35.8900

Conversions

Conversions Part 2

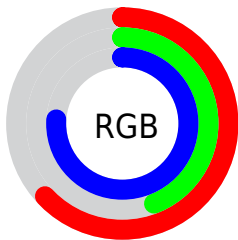
Format	Color
R _Y B	161, 112, 194
Decimal	10580162
CIE _{Lab}	55.13, 34.68, -35.56
CIE _{LCh}	55, 49.677, 314.284
Yxy	23.0604, 0.2820, 0.2151
Android (android.graphics.Color)	4288770242 (0xFFA170C2)
YUV	135.9990, 28.5945, 21.9259
Hunter-Lab	48.0212, 28.3298, -32.9295

Details

The XYZ color **30.2297, 23.0604, 53.8968** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.8941, 45.7737, 22.3789**, and the grayscale version is **23.2977, 24.5110, 26.6924**.

A 20% lighter version of the original color is **59.4830, 48.6270, 97.5176**, and **12.6955, 8.6366, 25.8088** is the 20% darker color. If you saturate the color by 10%, you get **26.7909, 18.4455, 53.1877**, and if you desaturate by 10%, it is **34.2295, 28.6501, 54.7653**.

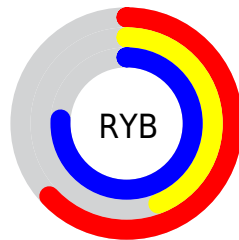
Distribution



Red (63%)

Green (44%)

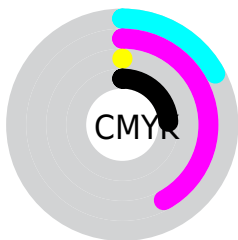
Blue (76%)



Red (63%)

Yellow (44%)

Blue (76%)

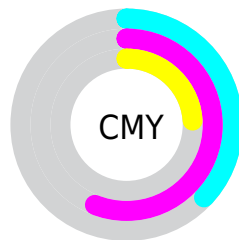


Cyan (17%)

Magenta (42%)

Yellow (0%)

Black (24%)



Cyan (37%)

Magenta (56%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2297, 23.0604, 53.8968 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 30.2297, 23.0604, 53.8968 by changing the saturation by 10% instead.


 30.2297, 23.0604,
53.8968


 30.2297, 23.0604,
53.8968

294.8643,
268.0351, 418.8798

 20.1619, 14.6381,
38.1265


 59.4094, 48.4925,
97.3776


 12.6218, 8.5658,
25.7783


 79.2520, 66.2711,
125.9252

 7.2438, 4.4591,
16.4336


 103.0837, 87.9372,
159.5690

 3.6627, 1.9335,
9.6738

 131.2696,
113.8753, 198.7275

 1.5132, 0.5684,
5.0805

164.1754,
144.4697, 243.8193

 0.3348, 0.0000,
2.2350

202.1661,

 0.0000, 0.0000,

180.1049, 295.2630

0.6945

245.6073,
221.1652, 353.4770

■ 0.0000, 0.0000,
0.0000

■ 30.2297, 23.0604,
53.8968

■ 30.2297, 23.0604,
53.8968

■ 26.7909, 18.4455,
53.1877

■ 34.2295, 28.6501,
54.7653

■ 23.8790, 14.7419,
52.6263

■ 38.8169, 35.2671,
55.8007

■ 21.4596, 11.8826,
52.2019

■ 44.0194, 42.9635,
57.0121

■ 19.4924, 9.7902,
51.9017

■ 49.8621, 51.7870,
58.4072

■ 17.9297, 8.3719,
51.7103

■ 56.3686, 61.7823,
59.9936

■ 16.9306, 7.6031,
51.6146

■ 63.5612, 72.9916,
61.7781

■ 71.4611, 85.4552,
63.7675

■ 76.0711, 91.1762,
64.6288

■ 78.5390, 92.4485,
64.7443

Harmonies

Analogous

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



24.6531, 23.0604, 67.8005



30.2297, 23.0604, 53.8968



33.8559, 23.0604, 34.3133

Triad

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



30.2297, 23.0604, 53.8968



24.9325, 23.0604, 5.7020



13.1303, 23.0604, 33.4138

Complementary

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



30.2297, 23.0604, 53.8968



33.8941, 45.7737, 22.3789

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.



13.1794, 23.0604, 17.7179



30.2297, 23.0604, 53.8968



19.3935, 23.0604, 5.6288

Square

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



30.2297, 23.0604, 53.8968



30.4637, 23.0604, 9.2627



15.2896, 23.0604, 8.9880



15.1419, 23.0604, 53.0041

Rectangle

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



30.2297, 23.0604, 53.8968



34.3507, 23.0604, 22.8982



15.2896, 23.0604, 8.9880



12.9186, 23.0604, 27.4575

Sweetspot

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



30.2305, 23.0613, 53.8973



78.8173, 76.4430, 103.0706



26.7251, 27.9498, 55.0256



16.7792, 16.0241, 22.4586



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.



30.2305, 23.0613, 53.8973



48.8021, 33.7644, 96.4148



37.0304, 26.6535, 50.3007



10.0925, 10.0388, 12.6906



11.2259, 5.0476, 33.9392



0.5612, 0.2574, 1.4700

Inverse Universe

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



33.1538, 25.1028, 29.8867



55.2667, 38.2353, 45.2898



29.2944, 43.3568, 24.2259



10.2374, 10.1436, 11.3407



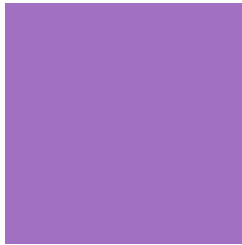
15.5716, 7.9184, 5.6559



0.7069, 0.3558, 0.4238

Previews

White Background



This preview shows how the XYZ color 30.2297, 23.0604, 53.8968 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 30.2297, 23.0604, 53.8968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

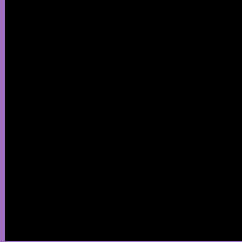
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2297, 23.0604, 53.8968

Background



This preview shows how black text looks on a background with the XYZ color 30.2297, 23.0604, 53.8968.



This preview shows how white text looks on a background with the XYZ color 30.2297, 23.0604,

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

30.2297, 23.0604, 53.8968

Protanopia

24.9707, 23.3935, 63.5209

Deuteranopia

23.8410, 23.2653, 51.9493



Tritanopia

24.6557, 23.0919, 26.0794

Trichromacy



Original Color

30.2297, 23.0604, 53.8968

Protanomaly

26.1504, 22.7365, 60.1370

Deuteranomaly

25.6649, 22.8440, 52.3469

Tritanomaly

26.2348, 22.8018, 34.4710

Monochromacy



Original Color

30.2297, 23.0604, 53.8968

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.3522, 23.6328, 35.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2297, 23.0604, 53.8968 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(161, 112, 194)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 194)  
}
```

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(161, 112, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 194) }
```

Border

The CSS property to change the border of an element to XYZ 30.2297, 23.0604, 53.8968 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(161, 112, 194) }
```


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

```
.border{ border-color:rgb(161, 112, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2297, 23.0604, 53.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 194) }
```

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

```
.background{ background-color: rgb(161,  
112, 194) }
```

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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