

Converting Colors

XYZ(30.1603, 23.6901, 55.8072)

Have a look what the booklet for
XYZ(30.1603, 23.6901, 55.8072)
contains.

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Color

**XYZ(30.2281, 23.6901,
55.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	9D74C5
RGB	157, 116, 197
RGB Percent	62%, 45%, 77%
CMY	0.3843, 0.5451, 0.2274
CMYK	0.20, 0.41, 0.00, 0.23
HSL	270°, 41%, 61%
HSV	270°, 41%, 77%
XYZ	30.2281, 23.6901, 55.8028
YIQ	137.4930, -1.5650, 33.8830

Conversions

Conversions Part 2

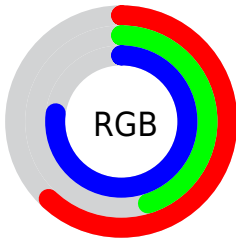
Format	Color
R _Y B	157, 116, 197
Decimal	10319045
CIE Lab	55.78, 31.91, -36.30
CIE LCh	56, 48.334, 311.320
Yxy	23.6901, 0.2755, 0.2159
Android (android.graphics.Color)	4288509125 (0xFF9D74C5)
YUV	137.4930, 29.3370, 17.1076
Hunter-Lab	48.6725, 25.6808, -33.9050

Details

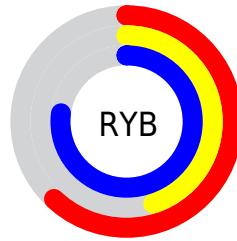
The XYZ color **30.2281, 23.6901, 55.8028** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.8295, 48.2619, 23.8983**, and the grayscale version is **23.8579, 25.1004, 27.3343**.

A 20% lighter version of the original color is **59.5179, 49.6778, 100.2178**, and **12.6740, 8.9405, 27.0443** is the 20% darker color. If you saturate the color by 10%, you get **26.3705, 18.6808, 55.0396**, and if you desaturate by 10%, it is **34.7200, 29.7422, 56.7346**.

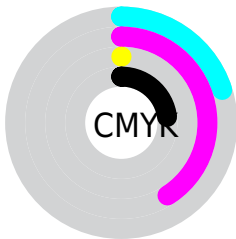
Distribution



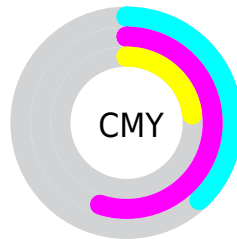
- Red (62%)
- Green (45%)
- Blue (77%)



- Red (62%)
- Yellow (45%)
- Blue (77%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (23%)



- Cyan (38%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2281, 23.6901, 55.8028 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 30.2281, 23.6901, 55.8028 by changing the saturation by 10% instead.

■ 30.2281, 23.6901,
55.8028

■ 30.2281, 23.6901,
55.8028

294.8570,
271.2500, 426.3153

■ 20.1607, 15.1039,
39.6419

■ 59.4069, 49.5240,
100.1991

■ 12.6209, 8.8923,
26.9478

■ 79.2490, 67.5405,
129.2716

■ 7.2432, 4.6710,
17.3019

■ 103.0800, 89.4692,
163.4850

■ 3.6623, 2.0556,
10.2858

131.2654,
115.6946, 203.2580

■ 1.5129, 0.6395,
5.4808

164.1704,
146.6009, 249.0089

■ 0.3346, 0.0000,
2.4684

202.1605,

■ 0.0000, 0.0000,

182.5727, 301.1564

0.8233

245.6009,
223.9942, 360.1190

■ 0.0000, 0.0000,
0.0000

■ 30.2281, 23.6901,
55.8028

■ 30.2281, 23.6901,
55.8028

■ 26.3705, 18.6808,
55.0396

■ 34.7200, 29.7422,
56.7346

■ 23.1105, 14.6482,
54.4331

■ 39.8751, 36.8920,
57.8430

■ 20.4111, 11.5230,
53.9721

■ 45.7234, 45.1940,
59.1372

■ 18.2293, 9.2248,
53.6435

■ 52.2922, 54.6978,
60.6254

■ 16.5148, 7.6587,
53.4316

■ 59.6071, 65.4504,
62.3153

■ 15.3025, 6.7245,
53.3152

■ 67.6926, 77.4962,
64.2142

■ 76.5720, 90.8773,
66.3290

■ 80.0426, 93.1843,
66.5914

■ 83.3399, 94.8841,
66.7457

Harmonies

Analogous

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



24.6524, 23.6901, 68.2286



30.2281, 23.6901, 55.8028



34.0666, 23.6901, 36.7360

Triad

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



30.2281, 23.6901, 55.8028



26.0687, 23.6901, 6.4500



13.6730, 23.6901, 32.1935

Complementary

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



30.2281, 23.6901, 55.8028



36.8295, 48.2619, 23.8983

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.



13.9260, 23.6901, 17.2748



30.2281, 23.6901, 55.8028



20.5081, 23.6901, 6.0596

Square

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



30.2281, 23.6901, 55.8028



31.4089, 23.6901, 10.5427



16.2429, 23.6901, 9.1028



15.4845, 23.6901, 51.3385

Rectangle

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



30.2281, 23.6901, 55.8028



34.8008, 23.6901, 25.1045



16.2429, 23.6901, 9.1028



13.5284, 23.6901, 26.4970

Sweetspot

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



30.2289, 23.6911, 55.8033



80.7108, 79.2524, 105.6511



29.2538, 31.6902, 57.3987



16.9663, 16.5216, 22.5447



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.



30.2289, 23.6911, 55.8033



48.1074, 34.5751, 98.7459



39.3500, 28.3931, 56.2302



10.5598, 10.5469, 13.3967



10.1616, 4.4728, 35.0721



0.5646, 0.2548, 1.6646

Inverse Universe

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



35.2727, 26.7622, 34.7596



58.7163, 41.0334, 54.5513



30.3218, 44.9071, 23.5937



10.8485, 10.7228, 12.1858



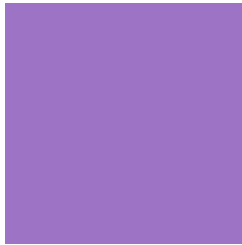
16.6152, 8.3956, 8.4493



0.8233, 0.4122, 0.5927

Previews

White Background



This preview shows how the XYZ color 30.2281, 23.6901, 55.8028 looks on a white background.

Color Contrast Check

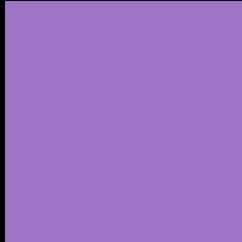
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2281, 23.6901, 55.8028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

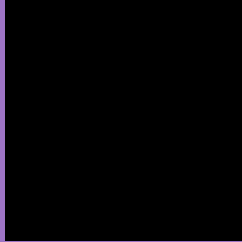
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2281, 23.6901, 55.8028

Background



This preview shows how black text looks on a background with the XYZ color 30.2281, 23.6901, 55.8028.



This preview shows how white text looks on a background with the XYZ color 30.2281, 23.6901,

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

30.2281, 23.6901, 55.8028

Protanopia

25.5749, 23.8890, 64.2359

Deuteranopia

24.5555, 23.9851, 54.3743



Tritanopia

24.5431, 23.7676, 27.7201

Trichromacy



Original Color

30.2281, 23.6901, 55.8028

Protanomaly

26.7925, 23.6146, 60.9036

Deuteranomaly

26.1921, 23.6309, 54.8105

Tritanomaly

26.3153, 23.5327, 36.4130

Monochromacy



Original Color

30.2281, 23.6901, 55.8028

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.6099, 24.1330, 36.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2281, 23.6901, 55.8028 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(157, 116, 197)` looks like.

```
.text, #text, p{  
    color:rgb(157, 116, 197)  
}
```

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(157, 116, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.2281, 23.6901, 55.8028 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(157, 116, 197) }
```


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

```
.border{ border-color:rgb(157, 116, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 116, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 197);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2281, 23.6901, 55.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 197) }
```

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

```
.background{ background-color: rgb(157,  
116, 197) }
```

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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