

Converting Colors

XYZ(21.3801, 10.2268, 36.9235)

Have a look what the booklet for
XYZ(21.3801, 10.2268, 36.9235)
contains.

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Color

**XYZ(21.3801, 10.2268,
36.9235)**

Conversions

Conversions Part 1

Format	Color
Hex	A000A6
RGB	160, 0, 166
RGB Percent	63%, 0%, 65%
CMY	0.3725, 0.9999, 0.3490
CMYK	0.04, 1.00, 0.00, 0.35
HSL	298°, 100%, 33%
HSV	298°, 100%, 65%
XYZ	21.3801, 10.2268, 36.9235
YIQ	66.7640, 42.0740, 85.5460

Conversions

Conversions Part 2

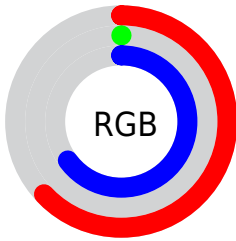
Format	Color
RYB	160, 0, 166
Decimal	10485926
CIELab	38.25, 70.26, -45.94
CIELCh	38, 83.949, 326.822
Yxy	10.2268, 0.3120, 0.1492
Android (android.graphics.Color)	4288676006 (0xFFA000A6)
YUV	66.7640, 48.9233, 81.7680
Hunter-Lab	31.9794, 63.3739, -46.0709

Details

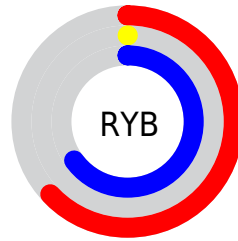
The XYZ color **21.3801, 10.2268, 36.9235** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.7117, 27.3114, 4.5495**, and the grayscale version is **5.2206, 5.4925, 5.9813**.

A 20% lighter version of the original color is **45.1156, 26.2139, 71.7892**, and **8.5742, 4.0758, 15.9576** is the 20% darker color. If you saturate the color by 10%, you get **21.3802, 10.2268, 36.9236**, and if you desaturate by 10%, it is **21.6952, 10.6780, 36.9941**.

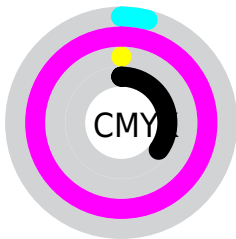
Distribution



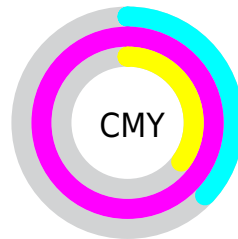
- Red (63%)
- Green (0%)
- Blue (65%)



- Red (63%)
- Yellow (0%)
- Blue (65%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (37%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3801, 10.2268, 36.9235 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 21.3801, 10.2268, 36.9235 by changing the saturation by 10% instead.


 21.3801, 10.2268,
36.9235


 21.3801, 10.2268,
36.9235


251.9853,
192.2832, 348.1379


 13.5162, 5.5496,
24.8529


 45.2058, 26.2212,
71.6401


 7.8644, 2.5732,
15.7495


 61.8983, 38.3072,
95.1233


 4.0594, 0.9132,
9.1946


 82.2643, 53.6316,
123.2477

 1.7358, 0.0000,
4.7698

 106.6693, 72.5788,
156.4319

 0.4785, 0.0000,
2.0565

 135.4785, 95.5331,
195.0945

 0.0000, 0.0000,
0.5897

 169.0573,

 0.0000, 0.0000,

122.8791, 239.6540

0.0000

207.7712,
155.0010, 290.5290

■ 21.3801, 10.2268,
36.9235

■ 21.3801, 10.2268,
36.9235

■ 21.3802, 10.2268,
36.9236

■ 21.6952, 10.6780,
36.9941

■ 22.1714, 11.4511,
37.1182

■ 22.8757, 12.6795,
37.3182

■ 23.8376, 14.4222,
37.6039

■ 25.0821, 16.7293,
37.9836

■ 26.6313, 19.6448,
38.4647

■ 28.5050, 23.2085,
39.0538

■ 30.7214, 27.4568,
39.7570

■ 33.2975, 32.4234,
40.5799

Harmonies

Analogous

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



15.2510, 10.2268, 65.0504



21.3801, 10.2268, 36.9235



24.3690, 10.2268, 12.8817

Triad

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



21.3801, 10.2268, 36.9235



10.3123, 10.2268, 0.0000



3.0509, 10.2268, 30.8840

Complementary

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



21.3801, 10.2268, 36.9235



13.7117, 27.3114, 4.5495

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.



2.5663, 10.2268, 9.5543



21.3801, 10.2268, 36.9235



5.7201, 10.2268, 0.0000

Square

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



21.3801, 10.2268, 36.9235



16.6492, 10.2268, 0.0000



3.3269, 10.2268, 1.4667



5.0428, 10.2268, 59.8061

Rectangle

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



21.3801, 10.2268, 36.9235



23.5806, 10.2268, 4.5167



3.3269, 10.2268, 1.4667



2.7482, 10.2268, 22.2618

Sweetspot

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



21.3805, 10.2273, 36.9237



51.5239, 41.7204, 70.8125



6.9735, 2.9339, 36.2753



11.2082, 8.7227, 15.7451



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.3805, 10.2273, 36.9237



38.7625, 18.5397, 67.0108



17.6278, 8.8681, 10.7501



7.8147, 7.6526, 9.4836



16.5880, 7.9349, 28.6328



0.4115, 0.1972, 0.6970

Inverse Universe

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



15.7591, 8.1206, 0.9097



28.5839, 14.7306, 1.5617



14.8966, 27.7767, 11.1811



7.5417, 7.5465, 7.9038



12.2239, 6.2983, 0.7249



0.3007, 0.1546, 0.0352

Previews

White Background



This preview shows how the XYZ color 21.3801, 10.2268, 36.9235 looks on a white background.

Color Contrast Check

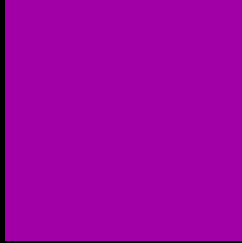
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3801, 10.2268, 36.9235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

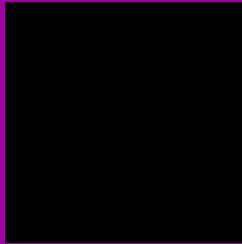
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3801, 10.2268, 36.9235

Background



This preview shows how black text looks on a background with the XYZ color 21.3801, 10.2268, 36.9235.



This preview shows how white text looks on a background with the XYZ color 21.3801, 10.2268,

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

21.3801, 10.2268, 36.9235

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.1340, 10.8574, 32.9613



Tritanopia

15.3902, 10.6124, 7.0316

Trichromacy



Original Color

21.3801, 10.2268, 36.9235



Protanomaly

11.5485, 7.1620, 44.4898



Deuteranomaly

12.0290, 7.7898, 34.1273



Tritanomaly

16.4796, 9.3781, 14.3062

Monochromacy



Original Color

21.3801, 10.2268, 36.9235



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.6789, 5.4737, 13.4311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3801, 10.2268, 36.9235 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(160, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 166)  
}
```

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(160, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.3801, 10.2268, 36.9235 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(160, 0, 166) }
```


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

```
.border{ border-color:rgb(160, 0, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 0, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3801, 10.2268, 36.9235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 166) }
```

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

```
.background{ background-color: rgb(160, 0,  
166) }
```

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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