

Converting Colors

XYZ(13.4932, 6.8598, 4.9768)

Have a look what the booklet for
XYZ(13.4932, 6.8598, 4.9768)
contains.

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Color

**XYZ(13.4200, 6.8210,
5.0241)**

Conversions

Conversions Part 1

Format	Color
Hex	96003D
RGB	150, 0, 61
RGB Percent	59%, 0%, 24%
CMY	0.4118, 0.9999, 0.7608
CMYK	0.00, 1.00, 0.59, 0.41
HSL	336°, 100%, 29%
HSV	336°, 100%, 59%
XYZ	13.4200, 6.8210, 5.0241
YIQ	51.8040, 69.8190, 50.7710

Conversions

Conversions Part 2

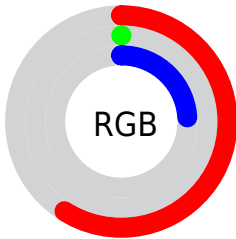
Format	Color
R_{YB}	150, 0, 61
Decimal	9830461
CIE _{Lab}	31.40, 56.07, 9.98
CIE _{LCh}	31, 56.949, 10.095
Yxy	6.8210, 0.5312, 0.2700
Android (android.graphics.Color)	4288020541 (0xFF96003D)
YUV	51.8040, 4.5336, 86.1179
Hunter-Lab	26.1170, 46.0157, 6.8764

Details

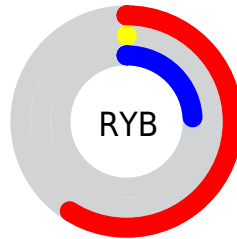
The XYZ color **13.4200, 6.8210, 5.0241** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.7107, 22.5344, 13.1358**, and the grayscale version is **3.2313, 3.3996, 3.7021**.

A 20% lighter version of the original color is **31.7339, 19.6819, 16.3138**, and **4.5312, 2.3223, 0.8255** is the 20% darker color. If you saturate the color by 10%, you get **13.4196, 6.8208, 5.0222**, and if you desaturate by 10%, it is **13.8511, 7.2672, 6.4507**.

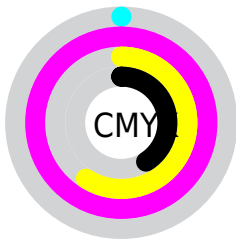
Distribution



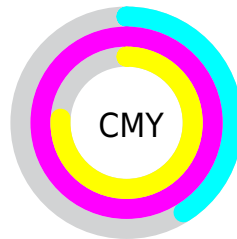
- Red (59%)
- Green (0%)
- Blue (24%)



- Red (59%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (41%)




- Cyan (41%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4200, 6.8210, 5.0241 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 13.4200, 6.8210, 5.0241 by changing the saturation by 10% instead.


 13.4200, 6.8210,
5.0241

 13.4200, 6.8210,
5.0241


207.1758,
166.1679, 159.0064


 7.7974, 3.3504,
2.2024


 31.6512, 19.6122,
16.3102


 4.0163, 1.3173,
0.6758

 44.9906, 29.7016,
25.6116


 1.7113, 0.1545,
0.0000

 61.6328, 42.7660,
37.9101

 0.4634, 0.0000,
0.0000


 81.9434, 59.1899,
53.6241


 0.0000, 0.0000,
0.0000

 106.2876, 79.3577,
73.1722


 135.0309,


103.6537, 96.9729


 168.5385,
132.4623, 125.4448


 13.4200, 6.8210,
5.0241


 13.4200, 6.8210,
5.0241

 13.4196, 6.8208,
5.0222

 13.8511, 7.2672,
6.4507

 14.4466, 7.9753,
8.1375

 15.2661, 9.0622,
10.1129

 16.3340, 10.5738,
12.3930

 17.6712, 12.5496,
14.9925

■ 19.2962, 15.0244,
17.9246

■ 21.2260, 18.0296,
21.2019

■ 23.4761, 21.5941,
24.8362

■ 26.0608, 25.7447,
28.8387

Harmonies

Analogous

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



13.0340, 6.8210, 14.0669



13.4200, 6.8210, 5.0241



11.5780, 6.8210, 1.2434

Triad

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



13.4200, 6.8210, 5.0241



3.5806, 6.8210, 0.7387



4.8069, 6.8210, 33.6836

Complementary

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



13.4200, 6.8210, 5.0241



12.7107, 22.5344, 13.1358

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.



3.1572, 6.8210, 22.5881



13.4200, 6.8210, 5.0241



2.6047, 6.8210, 3.2955

Square

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



13.4200, 6.8210, 5.0241



5.5785, 6.8210, 0.0000



2.4762, 6.8210, 10.4947



7.4807, 6.8210, 35.6019

Rectangle

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



13.4200, 6.8210, 5.0241



9.5793, 6.8210, 0.3331



2.4762, 6.8210, 10.4947



4.1383, 6.8210, 30.6562

Sweetspot

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



13.4202, 6.8214, 5.0242



37.2371, 31.4692, 37.0483



9.4835, 4.2533, 29.1752



7.9540, 6.5075, 7.7106



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.4202, 6.8214, 5.0242



23.6006, 12.0044, 8.4312



12.7156, 6.7598, 0.6352



5.8927, 5.8521, 6.5411



11.1451, 5.6631, 4.2452



0.1504, 0.0749, 0.1256

Inverse Universe

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



13.4202, 6.8214, 5.0242



23.6006, 12.0044, 8.4312



14.5224, 20.2364, 31.9946



5.8927, 5.8521, 6.5411



11.1451, 5.6631, 4.2452



0.1504, 0.0749, 0.1256

Previews

White Background



This preview shows how the XYZ color 13.4200, 6.8210, 5.0241 looks on a white background.

Color Contrast Check

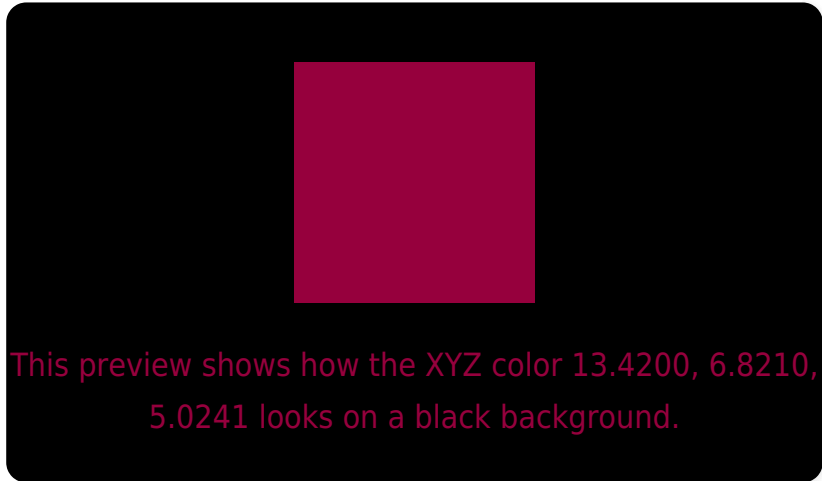
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 13.4200, 6.8210, 5.0241

Background



This preview shows how black text looks on a background with the XYZ color 13.4200, 6.8210, 5.0241.



This preview shows how white text looks on a background with the XYZ color 13.4200, 6.8210,

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

13.4200, 6.8210, 5.0241

Protanopia

7.3587, 7.5249, 10.5158

Deuteranopia

7.5520, 7.4487, 4.6541



Tritanopia

12.8757, 7.1047, 1.5033

Trichromacy



Original Color

13.4200, 6.8210, 5.0241

Protanomaly

7.9891, 5.5859, 8.0543

Deuteranomaly

8.5651, 5.8391, 4.5465

Tritanomaly

12.8992, 6.8648, 2.3954

Monochromacy



Original Color

13.4200, 6.8210, 5.0241

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2579, 3.4383, 4.0010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4200, 6.8210, 5.0241 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(150, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 61)  
}
```

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(150, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.4200, 6.8210, 5.0241 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(150, 0, 61) }
```


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

```
.border{ border-color:rgb(150, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4200, 6.8210, 5.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 61) }
```

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

```
.background{ background-color: rgb(150, 0,  
61) }
```

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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