

Converting Colors

XYZ(21.3723, 10.0837, 43.2031)

Have a look what the booklet for
XYZ(21.3723, 10.0837, 43.2031)
contains.

XYZ(21.4631, 10.1247, 43.4709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4631, 10.1247,
43.4709)**

Conversions

Conversions Part 1

Format	Color
Hex	9A00B3
RGB	154, 0, 179
RGB Percent	60%, 0%, 70%
CMY	0.3961, 1.0000, 0.2980
CMYK	0.14, 1.00, 0.00, 0.30
HSL	292°, 100%, 35%
HSV	292°, 100%, 70%
XYZ	21.4631, 10.1247, 43.4709
YIQ	66.4520, 34.3250, 88.3170

Conversions

Conversions Part 2

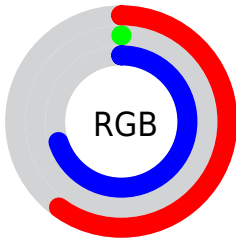
Format	Color
RYB	154, 0, 179
Decimal	10092723
CIELab	38.07, 71.44, -54.05
CIELCh	38, 89.582, 322.887
Yxy	10.1247, 0.2860, 0.1349
Android (android.graphics.Color)	4288282803 (0xFF9A00B3)
YUV	66.4520, 55.4862, 76.7796
Hunter-Lab	31.8193, 64.7198, -58.7272

Details

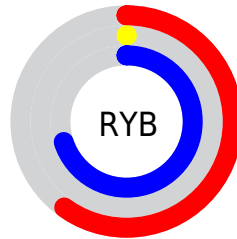
The XYZ color **21.4631, 10.1247, 43.4709** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **16.5214, 32.4472, 5.3925**, and the grayscale version is **5.1624, 5.4313, 5.9147**.

A 20% lighter version of the original color is **45.2341, 25.9380, 81.9793**, and **8.6314, 4.0221, 19.7234** is the 20% darker color. If you saturate the color by 10%, you get **21.4631, 10.1247, 43.4711**, and if you desaturate by 10%, it is **22.1592, 10.8025, 43.5652**.

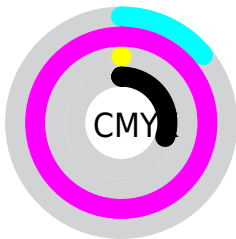
Distribution



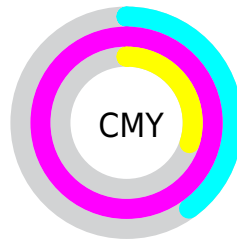
- Red (60%)
- Green (0%)
- Blue (70%)



- Red (60%)
- Yellow (0%)
- Blue (70%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (40%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4631, 10.1247, 43.4709 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 21.4631, 10.1247, 43.4709 by changing the saturation by 10% instead.


 21.4631, 10.1247,
43.4709


 21.4631, 10.1247,
43.4709


252.4149,
191.5598, 376.5227


 13.5773, 5.4817,
29.9206


 45.3425, 26.0298,
81.7150


 7.9070, 2.5326,
19.5268

 62.0668, 38.0607,
107.2458


 4.0868, 0.8929,
11.8709


 82.4680, 53.3230,
137.6073

 1.7514, 0.0000,
6.5344

 106.9115, 72.2011,
173.2179

 0.4881, 0.0000,
3.0986

 135.7625, 95.0795,
214.4962

 0.0000, 0.0000,
1.1452

 169.3866,

 0.0000, 0.0000,

122.3424, 261.8608

0.0000

208.1489,
154.3744, 315.7301

■ 21.4631, 10.1247,
43.4709

■ 21.4631, 10.1247,
43.4709

■ 21.4631, 10.1247,
43.4711

■ 22.1592, 10.8025,
43.5652

■ 23.0603, 11.8762,
43.7249

■ 24.2418, 13.4956,
43.9753

■ 25.7393, 15.7321,
44.3280

■ 27.5831, 18.6463,
44.7933

■ 29.8001, 22.2914,
45.3801

■ 32.4140, 26.7155,
46.0962

■ 35.4470, 31.9622,
46.9491

■ 38.9194, 38.0724,
47.9455

Harmonies

Analogous

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



14.6167, 10.1247, 73.8790



21.4631, 10.1247, 43.4709



25.3702, 10.1247, 15.4464

Triad

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



21.4631, 10.1247, 43.4709



11.0638, 10.1247, 0.0000



2.5926, 10.1247, 28.5806

Complementary

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



21.4631, 10.1247, 43.4709



16.5214, 32.4472, 5.3925

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.



2.2775, 10.1247, 7.5384



21.4631, 10.1247, 43.4709



5.9202, 10.1247, 0.0000

Square

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



21.4631, 10.1247, 43.4709



17.9926, 10.1247, 0.0000



3.2091, 10.1247, 0.8094



4.3601, 10.1247, 60.7546

Rectangle

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



21.4631, 10.1247, 43.4709



25.0015, 10.1247, 5.3463



3.2091, 10.1247, 0.8094



2.3526, 10.1247, 19.7406

Sweetspot

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



21.4636, 10.1251, 43.4711



57.7942, 47.4045, 82.4851



8.5256, 4.0322, 42.9770



12.3558, 9.7390, 18.1508



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.4636, 10.1251, 43.4711



38.2960, 18.0589, 77.8485



21.7637, 10.8532, 17.5791



8.7310, 8.5854, 10.7033



15.2079, 7.1757, 30.7205



0.5104, 0.2422, 0.9681

Inverse Universe

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



18.7662, 9.6542, 1.7947



33.5613, 17.2707, 2.9606



17.0080, 32.5955, 10.0478



8.5431, 8.5240, 9.0924



13.2757, 6.8278, 1.3457



0.4329, 0.2209, 0.1221

Previews

White Background



This preview shows how the XYZ color 21.4631, 10.1247, 43.4709 looks on a white background.

Color Contrast Check

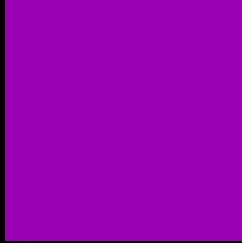
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4631, 10.1247, 43.4709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

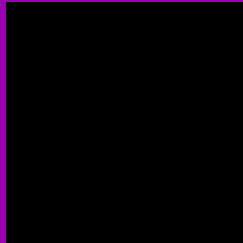
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4631, 10.1247, 43.4709

Background



This preview shows how black text looks on a background with the XYZ color 21.4631, 10.1247, 43.4709.



This preview shows how white text looks on a background with the XYZ color 21.4631, 10.1247,

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

21.4631, 10.1247, 43.4709

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.8856, 10.7586, 37.5793



Tritanopia

14.2754, 10.4638, 7.9239

Trichromacy



Original Color

21.4631, 10.1247, 43.4709



Protanomaly

11.8510, 7.2698, 46.6775



Deuteranomaly

10.5974, 7.0127, 39.3231



Tritanomaly

15.5961, 9.0888, 16.5551

Monochromacy



Original Color

21.4631, 10.1247, 43.4709



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.5188, 5.3141, 14.4867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4631, 10.1247, 43.4709 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(154, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 179)  
}
```

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(154, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.4631, 10.1247, 43.4709 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(154, 0, 179) }
```


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

```
.border{ border-color:rgb(154, 0, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4631, 10.1247, 43.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 179) }
```

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

```
.background{ background-color: rgb(154, 0,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor