

Converting Colors

XYZ(22.3410, 10.4277, 50.2698)

Have a look what the booklet for
XYZ(22.3410, 10.4277, 50.2698)
contains.

XYZ(22.3529, 10.4370, 50.1266)	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(22.3529, 10.4370,
50.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	9800BF
RGB	152, 0, 191
RGB Percent	60%, 0%, 75%
CMY	0.4039, 1.0000, 0.2510
CMYK	0.20, 1.00, 0.00, 0.25
HSL	288°, 100%, 37%
HSV	288°, 100%, 75%
XYZ	22.3529, 10.4370, 50.1266
YIQ	67.2220, 29.2810, 91.6250

Conversions

Conversions Part 2

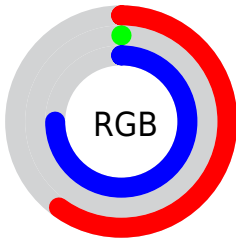
Format	Color
R_{YB}	152, 0, 191
Decimal	9961663
CIE _{Lab}	38.62, 73.22, -60.27
CIE _{LCh}	39, 94.829, 320.541
Yxy	10.4370, 0.2696, 0.1259
Android (android.graphics.Color)	4288151743 (0xFF9800BF)
YUV	67.2220, 61.0226, 74.3503
Hunter-Lab	32.3063, 66.9688, -69.3801

Details

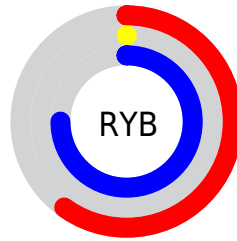
The XYZ color **22.3529, 10.4370, 50.1266** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.4678, 37.6932, 6.2497**, and the grayscale version is **5.2745, 5.5492, 6.0430**.

A 20% lighter version of the original color is **46.8245, 26.6608, 91.4851**, and **9.0600, 4.1573, 23.6175** is the 20% darker color. If you saturate the color by 10%, you get **22.3530, 10.4371, 50.1268**, and if you desaturate by 10%, it is **23.3301, 11.2892, 50.2398**.

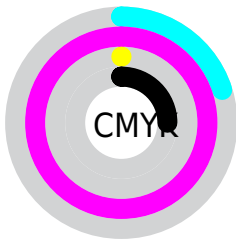
Distribution



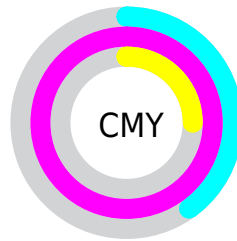
- Red (60%)
- Green (0%)
- Blue (75%)



- Red (60%)
- Yellow (0%)
- Blue (75%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (40%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3529, 10.4370, 50.1266 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 22.3529, 10.4370, 50.1266 by changing the saturation by 10% instead.


 22.3529, 10.4370,
50.1266


 22.3529, 10.4370,
50.1266

256.9816,
193.7632, 403.9101


 14.2345, 5.6897,
35.1421


 46.8031, 26.6143,
91.7607


 8.3667, 2.6573,
23.4879


 63.8656, 38.8130,
119.2473


 4.3843, 0.9556,
14.7455


 84.6402, 54.2643,
151.7384

 1.9217, 0.0000,
8.4964

 109.4922, 73.3525,
189.6526

 0.5894, 0.0000,
4.3219

 138.7870, 96.4622,
233.4083

 0.0000, 0.0000,
1.8035

 172.8899,

 0.0000, 0.0000,

123.9776, 283.4241

0.4303

212.1663,
156.2831, 340.1185

■ 0.0000, 0.0000,
0.0000

■ 22.3529, 10.4370,
50.1266

■ 22.3529, 10.4370,
50.1266

■ 22.3530, 10.4371,
50.1268

■ 23.3301, 11.2892,
50.2398

■ 24.5615, 12.6144,
50.4307

■ 26.1309, 14.5793,
50.7272

■ 28.0806, 17.2682,
51.1435

■ 30.4464, 20.7524,
51.6913

■ 33.2598, 25.0945,
52.3811

■ 36.5492, 30.3511,
53.2224

■ 40.3405, 36.5735,
54.2236

■ 44.6576, 43.8095,
55.3927

Harmonies

Analogous

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



14.7490, 10.4370, 83.3622



22.3529, 10.4370, 50.1266



27.0660, 10.4370, 17.9914

Triad

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



22.3529, 10.4370, 50.1266



12.0234, 10.4370, 0.0000



2.3963, 10.4370, 28.1693

Complementary

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



22.3529, 10.4370, 50.1266



19.4678, 37.6932, 6.2497

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.



2.1713, 10.4370, 6.6043



22.3529, 10.4370, 50.1266



6.2802, 10.4370, 0.0000

Square

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



22.3529, 10.4370, 50.1266



19.6555, 10.4370, 0.0000



3.2445, 10.4370, 0.4414



4.0854, 10.4370, 63.8243

Rectangle

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



22.3529, 10.4370, 50.1266



26.9893, 10.4370, 6.1692



3.2445, 10.4370, 0.4414



2.1856, 10.4370, 18.8735

Sweetspot

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



22.3534, 10.4374, 50.1268



65.1571, 53.8688, 95.2427



10.2106, 5.3746, 49.7896



13.7361, 10.9090, 20.7670



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.3534, 10.4374, 50.1268



39.8278, 18.5864, 89.7675



25.9932, 12.8795, 24.7400



9.7340, 9.5953, 12.0112



14.7576, 6.8939, 32.9457



0.6272, 0.2954, 1.2928

Inverse Universe

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



21.8523, 11.2231, 2.9345



39.0680, 20.0725, 4.8904



19.2997, 37.5293, 9.7318



9.6077, 9.5674, 10.3232



14.3848, 7.3851, 2.0540



0.5873, 0.2988, 0.2061

Previews

White Background



This preview shows how the XYZ color 22.3529, 10.4370, 50.1266 looks on a white background.

Color Contrast Check

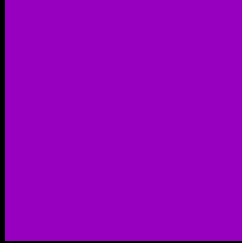
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3529, 10.4370, 50.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

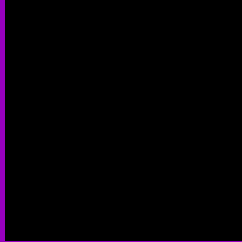
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3529, 10.4370, 50.1266

Background



This preview shows how black text looks on a background with the XYZ color 22.3529, 10.4370, 50.1266.



This preview shows how white text looks on a background with the XYZ color 22.3529, 10.4370,

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

22.3529, 10.4370, 50.1266

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.9751, 10.9376, 37.6091



Tritanopia

14.1174, 10.8456, 8.9388

Trichromacy



Original Color

22.3529, 10.4370, 50.1266



Protanomaly

12.3329, 7.4562, 49.5044



Deuteranomaly

10.9293, 7.1391, 41.3594



Tritanomaly

15.6024, 9.2208, 18.7267

Monochromacy



Original Color

22.3529, 10.4370, 50.1266



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.8255, 5.4943, 15.9246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3529, 10.4370, 50.1266 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(152, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 191)  
}
```

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(152, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 22.3529, 10.4370, 50.1266 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(152, 0, 191) }
```


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

```
.border{ border-color:rgb(152, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3529, 10.4370, 50.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 191) }
```

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

```
.background{ background-color: rgb(152, 0,  
191) }
```

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](#)