

Converting Colors

XYZ(21.5415, 10.3587, 58.1443)

Have a look what the booklet for
XYZ(21.5415, 10.3587, 58.1443)
contains.

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Color

**XYZ(21.5632, 10.3733,
57.9925)**

Conversions

Conversions Part 1

Format	Color
Hex	8919CC
RGB	137, 25, 204
RGB Percent	54%, 10%, 80%
CMY	0.4627, 0.9019, 0.2000
CMYK	0.33, 0.88, 0.00, 0.20
HSL	278°, 78%, 45%
HSV	278°, 88%, 80%
XYZ	21.5632, 10.3733, 57.9925
YIQ	78.8940, 9.2930, 79.4130

Conversions

Conversions Part 2

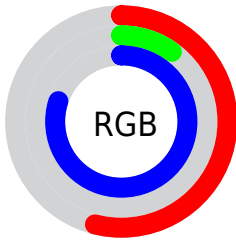
Format	Color
R_{YB}	137, 25, 204
Decimal	8985036
CIE _{Lab}	38.50, 70.02, -68.15
CIE _{LCh}	39, 97.706, 315.776
Yxy	10.3733, 0.2398, 0.1153
Android (android.graphics.Color)	4287175116 (0xFF8919CC)
YUV	78.8940, 61.6773, 50.9590
Hunter-Lab	32.2076, 63.1436, -84.2113

Details

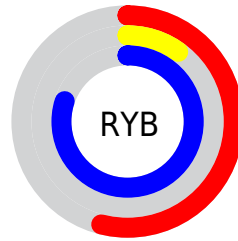
The XYZ color **21.5632, 10.3733, 57.9925** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **26.1823, 45.5315, 8.3284**, and the grayscale version is **7.2969, 7.6769, 8.3601**.

A 20% lighter version of the original color is **44.3873, 26.1005, 97.3062**, and **8.4872, 3.7578, 28.2950** is the 20% darker color. If you saturate the color by 10%, you get **20.0582, 9.1555, 57.8370**, and if you desaturate by 10%, it is **23.4664, 12.2543, 58.2555**.

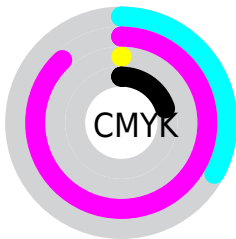
Distribution



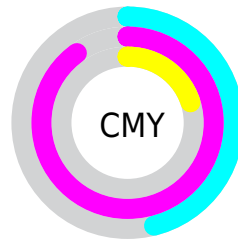
- Red (54%)
- Green (10%)
- Blue (80%)



- Red (54%)
- Yellow (10%)
- Blue (80%)



- Cyan (33%)
- Magenta (88%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (90%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5632, 10.3733, 57.9925 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 21.5632, 10.3733, 57.9925 by changing the saturation by 10% instead.

■ 21.5632, 10.3733,
57.9925

■ 21.5632, 10.3733,
57.9925

252.9321,
193.3160, 434.7555

■ 13.6511, 5.6472,
41.3880

■ 45.5072, 26.4953,
103.4266

■ 7.9585, 2.6317,
28.3004

■ 62.2699, 38.6600,
133.0933

■ 4.1200, 0.9426,
18.3112

■ 82.7134, 54.0729,
167.9510

■ 1.7702, 0.0000,
11.0019

■ 107.2033, 73.1186,
208.4184

■ 0.4996, 0.0000,
5.9539

■ 136.1047, 96.1813,
254.9140

■ 0.0000, 0.0000,
2.7487

■ 169.7830,

■ 0.0000, 0.0000,

123.6455, 307.8564

0.9678

208.6037,
155.8956, 367.6640

■ 0.0000, 0.0000,
0.0000

■ 21.5632, 10.3733,
57.9925

■ 21.5632, 10.3733,
57.9925

■ 20.0582, 9.1555,
57.8370

■ 23.4664, 12.2543,
58.2555

■ 19.7477, 8.9213,
57.8081

■ 25.8361, 14.9350,
58.6480

■ 28.7223, 18.5121,
59.1863

■ 32.1674, 23.0676,
59.8841

■ 36.2088, 28.6743,
60.7533

■ 40.8806, 35.3977,
61.8048

■ 46.2139, 43.2980,
63.0486

■ 52.2378, 52.4310,
64.4940

■ 58.9795, 62.8488,
66.1495

Harmonies

Analogous

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



13.5964, 10.3733, 90.4336



21.5632, 10.3733, 57.9925



27.2369, 10.3733, 22.3511

Triad

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



21.5632, 10.3733, 57.9925



13.2015, 10.3733, 0.0000



2.1273, 10.3733, 23.8358

Complementary

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



21.5632, 10.3733, 57.9925



26.1823, 45.5315, 8.3284

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.



2.0964, 10.3733, 4.6614



21.5632, 10.3733, 57.9925



6.8789, 10.3733, 0.0000

Square

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



21.5632, 10.3733, 57.9925



21.1686, 10.3733, 0.0000



3.4104, 10.3733, 0.0000



3.5278, 10.3733, 60.0242

Rectangle

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



21.5632, 10.3733, 57.9925



27.8611, 10.3733, 8.1072



3.4104, 10.3733, 0.0000



1.9863, 10.3733, 15.2243

Sweetspot

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



21.5638, 10.3736, 57.9928



68.8754, 60.3397, 102.6243



15.2690, 12.5042, 58.7358



14.1234, 12.0120, 21.8241



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.



21.5638, 10.3736, 57.9928



32.4583, 14.6477, 95.7243



33.8091, 16.9566, 46.3549



11.2648, 11.1858, 14.1357



12.5354, 5.6698, 36.3900



0.7290, 0.3349, 1.8812

Inverse Universe

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



27.1815, 14.3056, 11.4542



43.3259, 22.0944, 12.9141



22.4849, 43.5890, 9.8015



11.3831, 11.2820, 12.5520



16.5441, 8.4282, 5.3180



0.8900, 0.4494, 0.4667

Previews

White Background



This preview shows how the XYZ color 21.5632, 10.3733, 57.9925 looks on a white background.

Color Contrast Check

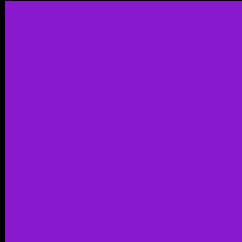
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5632, 10.3733, 57.9925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

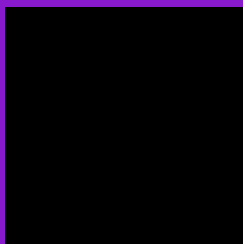
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5632, 10.3733, 57.9925

Background



This preview shows how black text looks on a background with the XYZ color 21.5632, 10.3733, 57.9925.



This preview shows how white text looks on a background with the XYZ color 21.5632, 10.3733,

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

21.5632, 10.3733, 57.9925

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.4357, 10.5786, 35.2101



Tritanopia

11.9812, 10.4522, 10.6185

Trichromacy



Original Color

21.5632, 10.3733, 57.9925



Protanomaly

12.8313, 8.3090, 51.3796



Deuteranomaly

11.3793, 8.1087, 42.5603



Tritanomaly

14.0102, 9.2343, 22.1631

Monochromacy



Original Color

21.5632, 10.3733, 57.9925



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

10.4576, 7.2925, 19.9252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5632, 10.3733, 57.9925 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(137, 25, 204)` looks like.

```
.text, #text, p{  
    color:rgb(137, 25, 204)  
}
```

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(137, 25, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 25, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.5632, 10.3733, 57.9925 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(137, 25, 204) }
```


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

```
.border{ border-color:rgb(137, 25, 204) }
```

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

Here you see how a box with a 4 pixel rgb(137, 25, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 25, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 25, 204);  
box-shadow:4px 4px 4px 4px rgb(137, 25,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5632, 10.3733, 57.9925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 25, 204) }
```

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

```
.background{ background-color: rgb(137, 25,  
204) }
```

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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