

Converting Colors

XYZ(21.5735, 12.3458, 57.7464)

Have a look what the booklet for
XYZ(21.5735, 12.3458, 57.7464)
contains.

XYZ(21.6542, 12.3951, 57.7511)	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(21.6542, 12.3951,
57.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	823DCB
RGB	130, 61, 203
RGB Percent	51%, 24%, 80%
CMY	0.4902, 0.7608, 0.2039
CMYK	0.36, 0.70, 0.00, 0.20
HSL	269°, 58%, 52%
HSV	269°, 70%, 80%
XYZ	21.6542, 12.3951, 57.7511
YIQ	97.8190, -4.4580, 58.7900

Conversions

Conversions Part 2

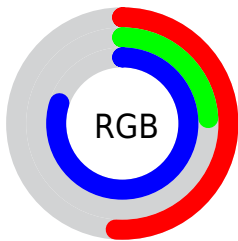
Format	Color
R_{YB}	130, 61, 203
Decimal	8535499
CIE _{Lab}	41.84, 56.08, -62.17
CIE _{LCh}	42, 83.729, 312.050
Yxy	12.3951, 0.2359, 0.1350
Android (android.graphics.Color)	4286725579 (0xFF823DCB)
YUV	97.8190, 51.8542, 28.2227
Hunter-Lab	35.2067, 48.1764, -72.6114

Details

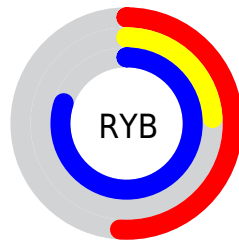
The XYZ color **21.6542, 12.3951, 57.7511** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **32.0295, 48.1171, 12.0144**, and the grayscale version is **11.4413, 12.0371, 13.1084**.

A 20% lighter version of the original color is **44.8064, 29.9460, 98.0263**, and **8.0929, 3.5546, 28.2765** is the 20% darker color. If you saturate the color by 10%, you get **19.2481, 9.8393, 57.3849**, and if you desaturate by 10%, it is **24.6338, 15.8552, 58.2622**.

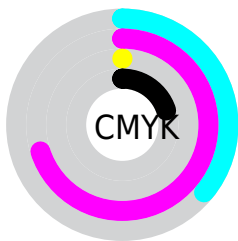
Distribution



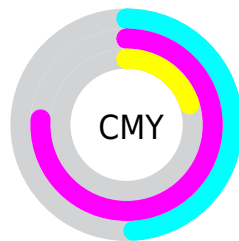
- Red (51%)
- Green (24%)
- Blue (80%)



- Red (51%)
- Yellow (24%)
- Blue (80%)



- Cyan (36%)
- Magenta (70%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (76%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6542, 12.3951, 57.7511 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 21.6542, 12.3951, 57.7511 by changing the saturation by 10% instead.

■ 21.6542, 12.3951,
57.7511

■ 21.6542, 12.3951,
57.7511

253.4015,
207.0037, 433.8302

■ 13.7182, 7.0134,
41.1952

■ 45.6569, 30.2127,
103.0715

■ 8.0053, 3.4705,
28.1508

■ 62.4544, 43.4173,
132.6731

■ 4.1502, 1.3820,
18.1993

■ 82.9363, 59.9984,
167.4603

■ 1.7874, 0.2034,
10.9223

■ 107.4682, 80.3402,
207.8518

■ 0.5101, 0.0000,
5.9011

■ 136.4153,
104.8273, 254.2659

■ 0.0000, 0.0000,
2.7172

170.1429,

■ 0.0000, 0.0000,

133.8440, 307.1214

0.9521

209.0166,
167.7746, 366.8366

■ 0.0000, 0.0000,
0.0000

■ 21.6542, 12.3951,
57.7511

■ 21.6542, 12.3951,
57.7511

■ 19.2481, 9.8393,
57.3849

■ 24.6338, 15.8552,
58.2622

■ 17.3598, 8.0860,
57.1460

■ 28.2310, 20.3036,
58.9312

■ 15.8932, 6.9496,
57.0039

■ 32.4875, 25.8159,
59.7709

■ 15.8865, 6.9445,
57.0033

■ 37.4400, 32.4596,
60.7922

■ 43.1226, 40.2965,
62.0054

■ 49.5668, 49.3840,
63.4198

■ 56.8022, 59.7753,
65.0442

■ 64.8568, 71.5210,
66.8868

■ 73.7571, 84.6686,
68.9554

Harmonies

Analogous

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



14.4370, 12.3951, 81.5162



21.6542, 12.3951, 57.7511



27.0661, 12.3951, 26.9186

Triad

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



21.6542, 12.3951, 57.7511



15.8313, 12.3951, 0.0000



3.5679, 12.3951, 21.9097

Complementary

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



21.6542, 12.3951, 57.7511



32.0295, 48.1171, 12.0144

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.



3.7124, 12.3951, 5.4962



21.6542, 12.3951, 57.7511



9.4728, 12.3951, 0.0000

Square

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



21.6542, 12.3951, 57.7511



22.9768, 12.3951, 1.1312



5.4850, 12.3951, 0.6963



4.9822, 12.3951, 51.4711

Rectangle

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



21.6542, 12.3951, 57.7511



28.0711, 12.3951, 12.3165



5.4850, 12.3951, 0.6963



3.4546, 12.3951, 14.7489

Sweetspot

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



21.6548, 12.3955, 57.7514



70.8693, 65.6111, 103.5367



21.2800, 22.4559, 59.7130



14.5821, 13.2298, 22.0350



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.



21.6548, 12.3955, 57.7514



30.4933, 14.8016, 95.8576



36.4374, 20.0162, 58.4432



11.1120, 11.1070, 14.1286



10.2144, 4.4733, 36.2813



0.6145, 0.2759, 1.8758

Inverse Universe

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



30.6004, 17.7553, 24.3677



47.6048, 25.0636, 31.5696



24.2718, 44.1179, 11.6514



11.4490, 11.3083, 12.8992



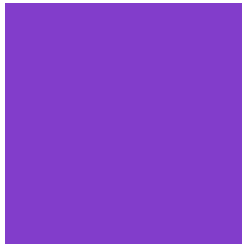
17.3214, 8.7392, 9.4112



0.9319, 0.4662, 0.6871

Previews

White Background



This preview shows how the XYZ color 21.6542, 12.3951, 57.7511 looks on a white background.

Color Contrast Check

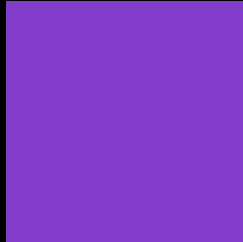
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6542, 12.3951, 57.7511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

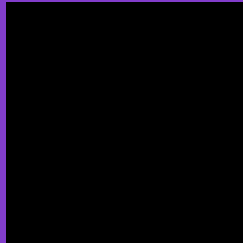
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6542, 12.3951, 57.7511

Background



This preview shows how black text looks on a background with the XYZ color 21.6542, 12.3951, 57.7511.



This preview shows how white text looks on a background with the XYZ color 21.6542, 12.3951,

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

21.6542, 12.3951, 57.7511

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.4902, 12.4420, 42.8175



Tritanopia

12.9209, 12.4587, 14.2941

Trichromacy



Original Color

21.6542, 12.3951, 57.7511



Protanomaly

14.9262, 11.0551, 57.2243



Deuteranomaly

13.3630, 10.8051, 47.8357



Tritanomaly

15.0896, 11.8325, 25.9147

Monochromacy



Original Color

21.6542, 12.3951, 57.7511



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

14.1228, 11.5896, 24.7852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6542, 12.3951, 57.7511 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(130, 61, 203)` looks like.

```
.text, #text, p{  
    color:rgb(130, 61, 203)  
}
```

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(130, 61, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 61, 203) }
```

Border

The CSS property to change the border of an element to XYZ 21.6542, 12.3951, 57.7511 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(130, 61, 203) }
```


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

```
.border{ border-color:rgb(130, 61, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 61, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 61, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 61, 203);  
box-shadow:4px 4px 4px 4px rgb(130, 61,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6542, 12.3951, 57.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 61, 203) }
```

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

```
.background{ background-color: rgb(130, 61,  
203) }
```

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