

Converting Colors

XYZ(21.7278, 13.5163, 52.5027)

Have a look what the booklet for
XYZ(21.7278, 13.5163, 52.5027)
contains.

XYZ(21.7278, 13.5163, 52.5027)	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>	30

Color

**XYZ(21.7278, 13.5163,
52.5027)**

Conversions

Conversions Part 1

Format	Color
Hex	8548C2
RGB	133, 72, 194
RGB Percent	52%, 28%, 76%
CMY	0.4784, 0.7176, 0.2392
CMYK	0.31, 0.63, 0.00, 0.24
HSL	270°, 50%, 52%
HSV	270°, 63%, 76%
XYZ	21.7278, 13.5163, 52.5027
YIQ	104.1470, -2.8060, 50.8740

Conversions

Conversions Part 2

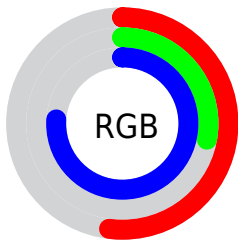
Format	Color
RYB	133, 72, 194
Decimal	8734914
CIELab	43.53, 49.12, -54.19
CIElCh	44, 73.144, 312.191
Yxy	13.5163, 0.2476, 0.1540
Android (android.graphics.Color)	4286924994 (0xFF8548C2)
YUV	104.1470, 44.2975, 25.3041
Hunter-Lab	36.7645, 41.1554, -58.9357

Details

The XYZ color **21.7278, 13.5163, 52.5027** is a dark color, and the websafe version is hex **663399**. The color can be described as middle muted purple. A complement of this color would be **30.1345, 44.0382, 13.0432**, and the grayscale version is **13.0836, 13.7650, 14.9901**.

A 20% lighter version of the original color is **45.8554, 32.3275, 95.0898**, and **8.0350, 3.9495, 24.7649** is the 20% darker color. If you saturate the color by 10%, you get **19.2044, 10.6384, 52.0805**, and if you desaturate by 10%, it is **24.7894, 17.2593, 53.0641**.

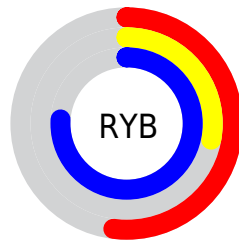
Distribution



Red (52%)

Green (28%)

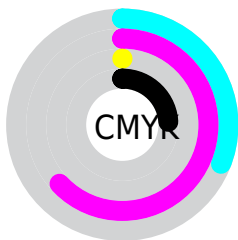
Blue (76%)



Red (52%)

Yellow (28%)

Blue (76%)

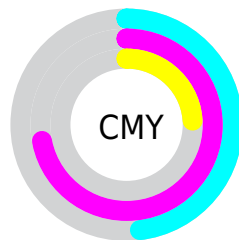


Cyan (31%)

Magenta (63%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (72%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7278, 13.5163, 52.5027 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 21.7278, 13.5163, 52.5027 by changing the saturation by 10% instead.

■ 21.7278, 13.5163,
52.5027

■ 21.7278, 13.5163,
52.5027

253.7806,
214.2006, 413.3863

■ 13.7725, 7.7850,
37.0209

■ 45.7779, 32.2283,
95.3063

■ 8.0433, 3.9577,
24.9278

■ 62.6034, 45.9778,
123.4652

■ 4.1747, 1.6499,
15.8047

■ 83.1164, 63.1688,
156.6869

■ 1.8014, 0.3909,
9.2332

■ 107.6822, 84.1857,
195.3900

■ 0.5185, 0.0000,
4.7947

■ 136.6662,
109.4130, 239.9929

■ 0.0000, 0.0000,
2.0707

170.4337,

■ 0.0000, 0.0000,

139.2349, 290.9142

0.5983

209.3500,
174.0360, 348.5725

■ 0.0000, 0.0000,
0.0000

■ 21.7278, 13.5163,
52.5027

■ 21.7278, 13.5163,
52.5027

■ 19.2044, 10.6384,
52.0805

■ 24.7894, 17.2593,
53.0641

■ 17.1750, 8.5448,
51.7833

■ 28.4248, 21.9351,
53.7750

■ 15.5897, 7.1411,
51.5959

■ 32.6682, 27.6062,
54.6460

■ 14.6677, 6.4366,
51.5085

■ 37.5504, 34.3292,
55.6863

■ 43.0999, 42.1563,
56.9046

■ 49.3435, 51.1361,
58.3088

■ 56.3062, 61.3143,
59.9064

■ 64.0119, 72.7340,
61.7045

■ 72.4833, 85.4363,
63.7098

Harmonies

Analogous

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



15.3093, 13.5163, 71.8661



21.7278, 13.5163, 52.5027



26.4019, 13.5163, 26.5894

Triad

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



21.7278, 13.5163, 52.5027



16.5083, 13.5163, 0.3785



4.8226, 13.5163, 22.4112

Complementary

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



21.7278, 13.5163, 52.5027



30.1345, 44.0382, 13.0432

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.



4.9691, 13.5163, 7.0391



21.7278, 13.5163, 52.5027



10.6637, 13.5163, 0.2488

Square

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



21.7278, 13.5163, 52.5027



22.8266, 13.5163, 2.0860



6.7909, 13.5163, 1.5476



6.3052, 13.5163, 47.5747

Rectangle

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



21.7278, 13.5163, 52.5027



27.2488, 13.5163, 13.5465



6.7909, 13.5163, 1.5476



4.6989, 13.5163, 15.9530

Sweetspot

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



21.7284, 13.5168, 52.5030



71.4938, 67.0438, 101.6424



20.7980, 22.0482, 54.1988



15.0367, 13.8135, 22.1237



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.



21.7284, 13.5168, 52.5030



33.4838, 17.8715, 94.1545



34.3034, 19.9994, 53.0915



9.9974, 9.9898, 12.6861



9.7381, 4.2806, 33.8696



0.5003, 0.2259, 1.4671

Inverse Universe

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



28.7994, 17.7978, 24.1077



48.2444, 26.8081, 34.8800



23.1343, 40.4295, 12.7156



10.2785, 10.1600, 11.5571



16.0874, 8.1247, 8.3725



0.7299, 0.3650, 0.5450

Previews

White Background



This preview shows how the XYZ color 21.7278, 13.5163, 52.5027 looks on a white background.

Color Contrast Check

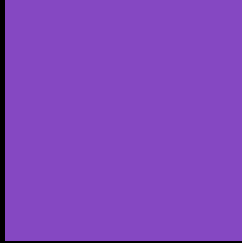
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7278, 13.5163, 52.5027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

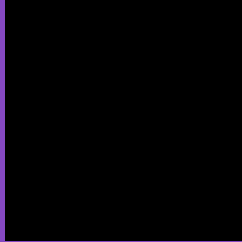
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7278, 13.5163, 52.5027

Background



This preview shows how black text looks on a background with the XYZ color 21.7278, 13.5163, 52.5027.



This preview shows how white text looks on a background with the XYZ color 21.7278, 13.5163,

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

21.7278, 13.5163, 52.5027

Protanopia

16.2197, 13.6268, 63.4034

Tritanopia

14.1717, 13.4890, 15.4924

Trichromacy



Original Color

21.7278, 13.5163, 52.5027



Protanomaly

15.8107, 12.1809, 59.2754



Tritanomaly

16.1859, 13.1173, 25.7236

Monochromacy



Original Color

21.7278, 13.5163, 52.5027



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

15.4127, 13.1053, 25.3841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7278, 13.5163, 52.5027 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(133, 72, 194)` looks like.

```
.text, #text, p{  
    color:rgb(133, 72, 194)  
}
```

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(133, 72, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 72, 194) }
```

Border

The CSS property to change the border of an element to XYZ 21.7278, 13.5163, 52.5027 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(133, 72, 194) }
```

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

```
.border{ border-color:rgb(133, 72, 194) }
```

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

Here you see how a box with a 4 pixel rgb(133, 72, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 72, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 72, 194);  
box-shadow:4px 4px 4px 4px rgb(133, 72,  
194) }
```


Background

The CSS property to change the background color of an element to XYZ 21.7278, 13.5163, 52.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 72, 194) }
```

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

```
.background{ background-color: rgb(133, 72,  
194) }
```

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