

Converting Colors

XYZ(24.8641, 21.2779, 50.7028)

Have a look what the booklet for
XYZ(24.8641, 21.2779, 50.7028)
contains.

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Color

**XYZ(24.9067, 21.2220,
50.9276)**

Conversions

Conversions Part 1

Format	Color
Hex	8375BD
RGB	131, 117, 189
RGB Percent	51%, 46%, 74%
CMY	0.4863, 0.5412, 0.2588
CMYK	0.31, 0.38, 0.00, 0.26
HSL	252°, 35%, 60%
HSV	252°, 38%, 74%
XYZ	24.9067, 21.2220, 50.9276
YIQ	129.3940, -14.7680, 25.3600

Conversions

Conversions Part 2

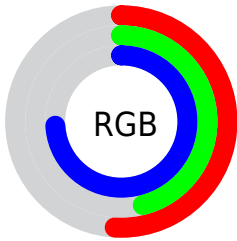
Format	Color
R_{YB}	131, 117, 189
Decimal	8615357
CIE _{Lab}	53.19, 21.72, -35.95
CIE _{LCh}	53, 42.005, 301.138
Yxy	21.2220, 0.2566, 0.2187
Android (android.graphics.Color)	4286805437 (0xFF8375BD)
YUV	129.3940, 29.3858, 1.4085
Hunter-Lab	46.0673, 15.8897, -33.2982

Details

The XYZ color **24.9067, 21.2220, 50.9276** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.0880, 46.7938, 23.8023**, and the grayscale version is **20.9088, 21.9977, 23.9555**.

A 20% lighter version of the original color is **51.0722, 45.4689, 93.2733**, and **9.7257, 7.6678, 23.8891** is the 20% darker color. If you saturate the color by 10%, you get **20.7356, 16.1265, 50.1643**, and if you desaturate by 10%, it is **29.8704, 27.3869, 51.8563**.

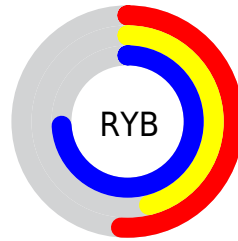
Distribution



Red (51%)

Green (46%)

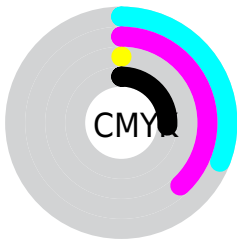
Blue (74%)



Red (51%)

Yellow (46%)

Blue (74%)

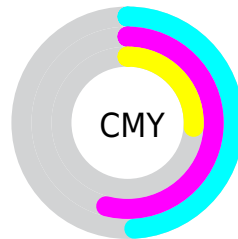


Cyan (31%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (49%)

Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9067, 21.2220, 50.9276 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 24.9067, 21.2220, 50.9276 by changing the saturation by 10% instead.

■ 24.9067, 21.2220,
50.9276

■ 24.9067, 21.2220,
50.9276

269.7292,
258.4560, 407.1209

■ 16.1359, 13.2864,
35.7747

■ 50.9498, 45.4567,
92.9582

■ 9.7118, 7.6260,
23.9719

■ 68.9528, 62.5246,
120.6728

■ 5.2691, 3.8566,
15.1008

■ 90.7640, 83.4053,
153.4119

■ 2.4424, 1.5937,
8.7427

116.7487,
108.4833, 191.5938

■ 0.8663, 0.3533,
4.4792

147.2721,
138.1430, 235.6371

■ 0.0000, 0.0000,
1.8918

182.6998,

■ 0.0000, 0.0000,

172.7688, 285.9604

0.4875

223.3971,
212.7449, 342.9821

■ 0.0000, 0.0000,
0.0000

■ 24.9067, 21.2220,
50.9276

■ 24.9067, 21.2220,
50.9276

■ 20.7356, 16.1265,
50.1643

■ 29.8704, 27.3869,
51.8563

■ 17.3129, 12.0363,
49.5552

■ 35.6632, 34.6753,
52.9578

■ 14.5933, 8.8843,
49.0901

■ 42.3221, 43.1407,
54.2408

■ 12.5256, 6.5939,
48.7570

■ 49.8811, 52.8323,
55.7131

■ 11.0509, 5.0762,
48.5418

■ 58.3723, 63.7966,
57.3819

■ 10.0862, 4.1966,
48.4229

■ 67.8265, 76.0774,
59.2540

■ 9.9395, 4.0629,
48.4048

■ 78.2726, 89.7168,
61.3361

■ 85.3811, 96.0395,
62.1819

■ 86.1854, 96.4541,
62.2195

Harmonies

Analogous

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



20.3406, 21.2220, 57.1096



24.9067, 21.2220, 50.9276



28.5934, 21.2220, 37.0051

Triad

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



24.9067, 21.2220, 50.9276



24.5708, 21.2220, 7.6449



12.7934, 21.2220, 23.5952

Complementary

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



24.9067, 21.2220, 50.9276



39.0880, 46.7938, 23.8023

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.



13.5897, 21.2220, 13.2142



24.9067, 21.2220, 50.9276



20.0021, 21.2220, 6.2864

Square

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



24.9067, 21.2220, 50.9276



28.3804, 21.2220, 12.6442



16.0770, 21.2220, 7.8792



13.7201, 21.2220, 38.1662

Rectangle

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



24.9067, 21.2220, 50.9276



29.8180, 21.2220, 27.0751



16.0770, 21.2220, 7.8792



12.8674, 21.2220, 19.5471

Sweetspot

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



24.9075, 21.2228, 50.9281



71.9539, 72.3620, 96.4011



32.0081, 38.4289, 53.8750



15.1207, 15.1123, 20.6626



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.9075, 21.2228, 50.9281



38.0717, 30.0138, 90.0129



31.3150, 24.5260, 51.2280



9.1851, 9.3123, 11.9856



6.7376, 2.7594, 32.5704



0.3166, 0.1352, 1.2783

Inverse Universe

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



35.0858, 26.6372, 43.8497



59.1699, 41.2536, 74.5874



32.1906, 43.2381, 23.4795



9.8483, 9.6636, 11.5899



17.9743, 8.8209, 20.9559



0.7248, 0.3538, 0.9301

Previews

White Background



This preview shows how the XYZ color 24.9067, 21.2220, 50.9276 looks on a white background.

Color Contrast Check

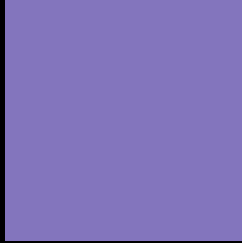
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 24.9067, 21.2220, 50.9276 looks on a black 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

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

XYZ 24.9067, 21.2220, 50.9276

Background



This preview shows how black text looks on a background with the XYZ color 24.9067, 21.2220, 50.9276.



This preview shows how white text looks on a background with the XYZ color 24.9067, 21.2220,

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

24.9067, 21.2220, 50.9276

Protanopia

22.7769, 21.4775, 55.1697

Deuteranopia

21.7973, 21.2763, 49.9716



Tritanopia

20.1918, 21.3383, 27.0992

Trichromacy



Original Color

24.9067, 21.2220, 50.9276

Protanomaly

23.3952, 21.2800, 53.3265

Deuteranomaly

22.8422, 21.2415, 50.4731

Tritanomaly

21.7509, 21.2096, 34.8458

Monochromacy



Original Color

24.9067, 21.2220, 50.9276

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1255, 21.6474, 32.2904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9067, 21.2220, 50.9276 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(131, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(131, 117, 189)  
}
```

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(131, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 117, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.9067, 21.2220, 50.9276 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(131, 117, 189) }
```


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

```
.border{ border-color:rgb(131, 117, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(131, 117,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9067, 21.2220, 50.9276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 117, 189) }
```

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

```
.background{ background-color: rgb(131,  
117, 189) }
```

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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