

Converting Colors

XYZ(25.2101, 19.8776, 50.0857)

Have a look what the booklet for
XYZ(25.2101, 19.8776, 50.0857)
contains.

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Color

**XYZ(25.2549, 19.9314,
50.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	8C6CBC
RGB	140, 108, 188
RGB Percent	55%, 42%, 74%
CMY	0.4510, 0.5765, 0.2627
CMYK	0.26, 0.43, 0.00, 0.26
HSL	264°, 37%, 58%
HSV	264°, 43%, 74%
XYZ	25.2549, 19.9314, 50.0930
YIQ	126.6880, -6.6080, 31.6640

Conversions

Conversions Part 2

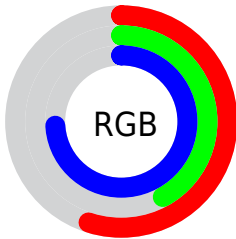
Format	Color
R_{YB}	140, 108, 188
Decimal	9202876
CIE _{Lab}	51.76, 29.38, -37.57
CIE _{LCh}	52, 47.691, 308.024
Yxy	19.9314, 0.2651, 0.2092
Android (android.graphics.Color)	4287392956 (0xFF8C6CBC)
YUV	126.6880, 30.2268, 11.6746
Hunter-Lab	44.6446, 22.8472, -35.2745

Details

The XYZ color **25.2549, 19.9314, 50.0930** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **34.4006, 44.1174, 20.8905**, and the grayscale version is **19.9679, 21.0078, 22.8775**.

A 20% lighter version of the original color is **51.5579, 43.3363, 92.0335**, and **9.9434, 7.0277, 23.3867** is the 20% darker color. If you saturate the color by 10%, you get **21.6776, 15.4548, 49.4178**, and if you desaturate by 10%, it is **29.4560, 25.3650, 50.9207**.

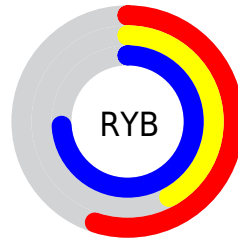
Distribution



Red (55%)

Green (42%)

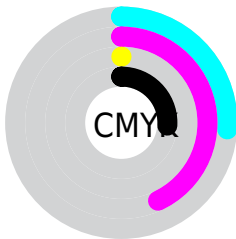
Blue (74%)



Red (55%)

Yellow (42%)

Blue (74%)

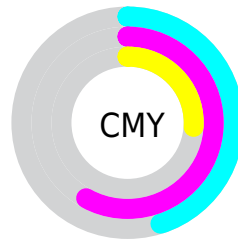


Cyan (26%)

Magenta (43%)

Yellow (0%)

Black (26%)



Cyan (45%)

Magenta (58%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2549, 19.9314, 50.0930 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 25.2549, 19.9314, 50.0930 by changing the saturation by 10% instead.

■ 25.2549, 19.9314,
50.0930

■ 25.2549, 19.9314,
50.0930

271.4293,
251.5435, 403.7750

■ 16.3968, 12.3452,
35.1156

■ 51.5104, 43.3021,
91.7104

■ 9.8980, 6.9792,
23.4677

■ 69.6384, 59.8555,
119.1874

■ 5.3931, 3.4491,
14.7307

■ 91.5872, 80.1666,
151.6681

■ 2.5168, 1.3705,
8.4861

■ 117.7221,
104.6200, 189.5710

■ 0.9038, 0.1948,
4.3153

148.4084,
133.5999, 233.3146

■ 0.0000, 0.0000,
1.7999

184.0114,

■ 0.0000, 0.0000,

167.4909, 283.3174

0.4279

224.8966,
206.6773, 339.9980

■ 0.0000, 0.0000,
0.0000

■ 25.2549, 19.9314,
50.0930

■ 25.2549, 19.9314,
50.0930

■ 21.6776, 15.4548,
49.4178

■ 29.4560, 25.3650,
50.9207

■ 18.6883, 11.8744,
48.8843

■ 34.3097, 31.8067,
51.9083

■ 16.2507, 9.1257,
48.4822

■ 39.8452, 39.3067,
53.0642

■ 14.3227, 7.1343,
48.1994

■ 46.0895, 47.9110,
54.3958

■ 12.8550, 5.8116,
48.0215

■ 53.0679, 57.6629,
55.9104

■ 11.9947, 5.1349,
47.9362

■ 60.8046, 68.6035,
57.6143

■ 69.3223, 80.7716,
59.5141

■ 77.5478, 92.0138,
61.2505

■ 81.2909, 93.9435,
61.4257

Harmonies

Analogous

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



20.2693, 19.9314, 60.0908



25.2549, 19.9314, 50.0930



28.9189, 19.9314, 33.2446

Triad

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



25.2549, 19.9314, 50.0930



22.6336, 19.9314, 5.2083



11.1607, 19.9314, 25.6271

Complementary

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



25.2549, 19.9314, 50.0930



34.4006, 44.1174, 20.8905

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.



11.5757, 19.9314, 13.1980



25.2549, 19.9314, 50.0930



17.6781, 19.9314, 4.5893

Square

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



25.2549, 19.9314, 50.0930



27.2353, 19.9314, 9.1021



13.7835, 19.9314, 6.7764



12.5338, 19.9314, 42.5352

Rectangle

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



25.2549, 19.9314, 50.0930



29.8147, 19.9314, 22.6314



13.7835, 19.9314, 6.7764



11.1008, 19.9314, 20.7982

Sweetspot

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



25.2556, 19.9322, 50.0935



71.5110, 70.2780, 96.0222



27.1505, 30.5965, 52.0520



14.8812, 14.4358, 20.5446



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.



25.2556, 19.9322, 50.0935



39.7159, 28.5358, 89.6409



33.2626, 24.0599, 50.4682



9.3680, 9.4066, 11.9941



8.2455, 3.5368, 32.6410



0.3971, 0.1767, 1.2820

Inverse Universe

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



32.1028, 23.8174, 34.3579



54.1316, 36.7317, 55.7834



27.8930, 40.7626, 20.5859



9.7640, 9.6299, 11.1460



16.1794, 8.1029, 11.5040



0.6652, 0.3300, 0.6164

Previews

White Background



This preview shows how the XYZ color 25.2549, 19.9314, 50.0930 looks on a white background.

Color Contrast Check

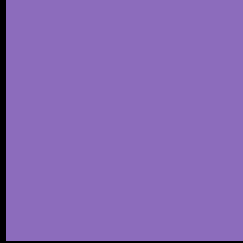
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2549, 19.9314, 50.0930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

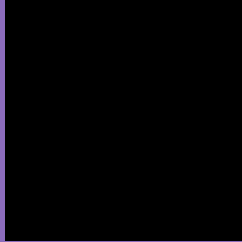
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.2549, 19.9314, 50.0930

Background



This preview shows how black text looks on a background with the XYZ color 25.2549, 19.9314, 50.0930.



This preview shows how white text looks on a background with the XYZ color 25.2549, 19.9314,

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

25.2549, 19.9314, 50.0930

Protanopia

21.6604, 20.1254, 56.7758

Deuteranopia

20.5592, 20.1016, 48.6953



Tritanopia

19.9199, 19.9536, 23.9206

Trichromacy



Original Color

25.2549, 19.9314, 50.0930

Protanomaly

22.5261, 19.7459, 54.2538

Deuteranomaly

21.8969, 19.8815, 49.1378

Tritanomaly

21.5042, 19.7117, 31.9495

Monochromacy



Original Color

25.2549, 19.9314, 50.0930

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.6570, 20.5084, 31.2508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2549, 19.9314, 50.0930 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(140, 108, 188)` looks like.

```
.text, #text, p{  
    color:rgb(140, 108, 188)  
}
```

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(140, 108, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 108, 188) }
```

Border

The CSS property to change the border of an element to XYZ 25.2549, 19.9314, 50.0930 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(140, 108, 188) }
```


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

```
.border{ border-color:rgb(140, 108, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 108, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 108, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 108, 188);  
box-shadow:4px 4px 4px 4px rgb(140, 108,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2549, 19.9314, 50.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 108, 188) }
```

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

```
.background{ background-color: rgb(140,  
108, 188) }
```

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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