

Converting Colors

XYZ(25.0281, 20.7931, 49.1052)

Have a look what the booklet for
XYZ(25.0281, 20.7931, 49.1052)
contains.

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Color

**XYZ(25.0336, 20.8140,
49.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	8872BA
RGB	136, 114, 186
RGB Percent	53%, 45%, 73%
CMY	0.4667, 0.5529, 0.2706
CMYK	0.27, 0.39, 0.00, 0.27
HSL	258°, 34%, 59%
HSV	258°, 39%, 73%
XYZ	25.0336, 20.8140, 49.1525
YIQ	128.7860, -10.0000, 27.0560

Conversions

Conversions Part 2

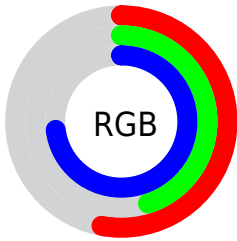
Format	Color
R _Y B	136, 114, 186
Decimal	8942266
CIE _{Lab}	52.75, 24.19, -34.90
CIE _{LCh}	53, 42.459, 304.725
Y _{xy}	20.8140, 0.2635, 0.2191
Android (android.graphics.Color)	4287132346 (0xFF8872BA)
Y _{UV}	128.7860, 28.2065, 6.3267
Hunter-Lab	45.6224, 18.1062, -31.9420

Details

The XYZ color **25.0336, 20.8140, 49.1525** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.9064, 44.2256, 22.5642**, and the grayscale version is **20.6991, 21.7770, 23.7152**.

A 20% lighter version of the original color is **51.1491, 44.7596, 89.9480**, and **9.7692, 7.4472, 22.7524** is the 20% darker color. If you saturate the color by 10%, you get **21.1722, 16.0196, 48.4310**, and if you desaturate by 10%, it is **29.5759, 26.5935, 50.0290**.

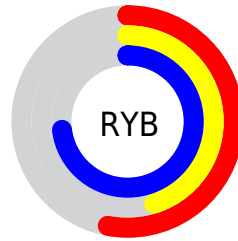
Distribution



Red (53%)

Green (45%)

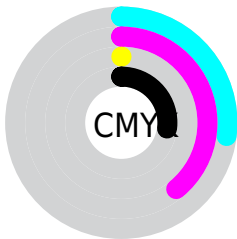
Blue (73%)



Red (53%)

Yellow (45%)

Blue (73%)

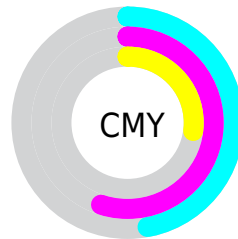


Cyan (27%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (47%)

Magenta (55%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0336, 20.8140, 49.1525 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 25.0336, 20.8140, 49.1525 by changing the saturation by 10% instead.

■ 25.0336, 20.8140,
49.1525

■ 25.0336, 20.8140,
49.1525

270.3498,
256.2884, 399.9821

■ 16.2310, 12.9881,
34.3740

■ 51.1542, 44.7778,
90.3012

■ 9.7796, 7.4204,
22.9014

■ 69.2029, 61.6844,
117.5086

■ 5.3142, 3.7264,
14.3161

■ 91.0643, 82.3868,
149.6959

■ 2.4694, 1.5217,
8.1996

■ 117.1038,
107.2693, 187.2819

■ 0.8799, 0.3039,
4.1333

147.6868,
136.7163, 230.6849

■ 0.0000, 0.0000,
1.6988

183.1785,

■ 0.0000, 0.0000,

171.1123, 280.3236

0.3599

223.9444,
210.8415, 336.6165

■ 0.0000, 0.0000,
0.0000

■ 25.0336, 20.8140,
49.1525

■ 25.0336, 20.8140,
49.1525

■ 21.1722, 16.0196,
48.4310

■ 29.5759, 26.5935,
50.0290

■ 17.9546, 12.1512,
47.8539

■ 34.8292, 33.4078,
51.0674

■ 15.3430, 9.1470,
47.4117

■ 40.8244, 41.3060,
52.2760

■ 13.2948, 6.9365,
47.0929

■ 47.5899, 50.3332,
53.6618

■ 11.7607, 5.4371,
46.8844

■ 55.1525, 60.5322,
55.2318

■ 10.6634, 4.5121,
46.7637

■ 63.5378, 71.9434,
56.9924

■ 10.5410, 4.4102,
46.7505

■ 72.7701, 84.6051,
58.9498

■ 80.3327, 93.4742,
60.2631

■ 84.8589, 95.8076,
60.4749

Harmonies

Analogous

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



20.4919, 20.8140, 56.6323



25.0336, 20.8140, 49.1525



28.5126, 20.8140, 34.7332

Triad

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



25.0336, 20.8140, 49.1525



23.6407, 20.8140, 7.0030



12.4605, 20.8140, 24.7290

Complementary

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



25.0336, 20.8140, 49.1525



35.9064, 44.2256, 22.5642

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.



13.0464, 20.8140, 13.7735



25.0336, 20.8140, 49.1525



19.0908, 20.8140, 6.0246

Square

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



25.0336, 20.8140, 49.1525



27.6281, 20.8140, 11.4276



15.3234, 20.8140, 7.9606



13.5844, 20.8140, 39.5604

Rectangle

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



25.0336, 20.8140, 49.1525



29.5170, 20.8140, 24.9765



15.3234, 20.8140, 7.9606



12.4657, 20.8140, 20.4968

Sweetspot

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



25.0343, 20.8148, 49.1530



70.0476, 69.6445, 93.9522



29.1501, 33.8175, 51.4458



15.1090, 14.9193, 20.6259



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.



25.0343, 20.8148, 49.1530



39.6452, 30.5937, 88.0171



31.8064, 24.3059, 49.4699



8.7723, 8.8490, 11.3251



7.1596, 3.0021, 31.4552



0.3175, 0.1394, 1.1119

Inverse Universe

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



32.9683, 25.1547, 38.2399



56.2050, 39.6683, 64.4975



29.5591, 40.9535, 22.2672



9.2609, 9.1147, 10.7213



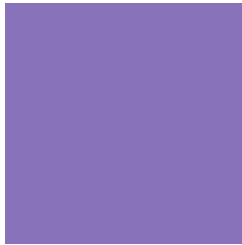
16.3312, 8.1062, 14.8966



0.6019, 0.2963, 0.6632

Previews

White Background



This preview shows how the XYZ color 25.0336, 20.8140, 49.1525 looks on a white background.

Color Contrast Check

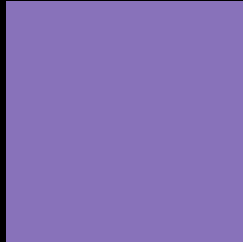
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0336, 20.8140, 49.1525 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 25.0336, 20.8140, 49.1525

Background



This preview shows how black text looks on a background with the XYZ color 25.0336, 20.8140, 49.1525.



This preview shows how white text looks on a background with the XYZ color 25.0336, 20.8140,

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

25.0336, 20.8140, 49.1525

Protanopia

22.3121, 21.0770, 53.9312

Deuteranopia

21.4648, 20.9527, 48.2604



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

25.0336, 20.8140, 49.1525

Protanomaly

23.0599, 20.7719, 52.0842

Deuteranomaly

22.5338, 20.7549, 48.7174

Tritanomaly

21.8760, 20.7537, 33.4247

Monochromacy



Original Color

25.0336, 20.8140, 49.1525

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.2284, 21.5228, 31.8369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0336, 20.8140, 49.1525 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(136, 114, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 114, 186)  
}
```

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(136, 114, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 114, 186) }
```

Border

The CSS property to change the border of an element to XYZ 25.0336, 20.8140, 49.1525 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(136, 114, 186) }
```


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

```
.border{ border-color:rgb(136, 114, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 114, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 114, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 114, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 114,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0336, 20.8140, 49.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 114, 186) }
```

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

```
.background{ background-color: rgb(136,  
114, 186) }
```

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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