

Converting Colors

XYZ(25.5151, 18.3054, 48.7572)

Have a look what the booklet for
XYZ(25.5151, 18.3054, 48.7572)
contains.

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Color

**XYZ(25.4402, 18.3005,
48.6459)**

Conversions

Conversions Part 1

Format	Color
Hex	9560BA
RGB	149, 96, 186
RGB Percent	58%, 38%, 73%
CMY	0.4157, 0.6235, 0.2706
CMYK	0.20, 0.48, 0.00, 0.27
HSL	275°, 39%, 55%
HSV	275°, 48%, 73%
XYZ	25.4402, 18.3005, 48.6459
YIQ	122.1070, 2.6980, 39.2260

Conversions

Conversions Part 2

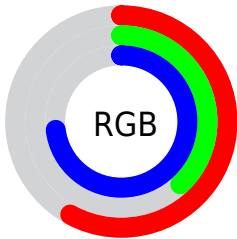
Format	Color
R _Y B	149, 96, 186
Decimal	9789626
CIE Lab	49.86, 38.36, -39.35
CIE LCh	50, 54.947, 314.270
Yxy	18.3005, 0.2754, 0.1981
Android (android.graphics.Color)	4287979706 (0xFF9560BA)
YUV	122.1070, 31.4992, 23.5852
Hunter-Lab	42.7791, 31.2884, -37.4758

Details

The XYZ color **25.4402, 18.3005, 48.6459** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **29.3437, 40.9494, 17.4245**, and the grayscale version is **18.4340, 19.3940, 21.1201**.

A 20% lighter version of the original color is **51.9444, 40.6300, 89.8986**, and **10.0052, 6.1858, 22.4964** is the 20% darker color. If you saturate the color by 10%, you get **22.5901, 14.6034, 48.0828**, and if you desaturate by 10%, it is **28.7847, 22.8491, 49.3479**.

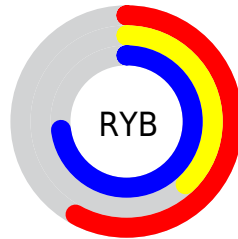
Distribution



Red (58%)

Green (38%)

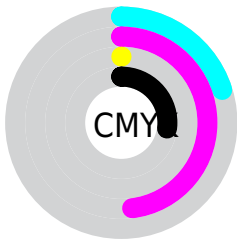
Blue (73%)



Red (58%)

Yellow (38%)

Blue (73%)

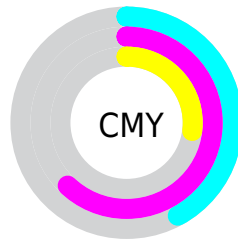


Cyan (20%)

Magenta (48%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (62%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4402, 18.3005, 48.6459 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 25.4402, 18.3005, 48.6459 by changing the saturation by 10% instead.

■ 25.4402, 18.3005,
48.6459

■ 25.4402, 18.3005,
48.6459

272.3305,
242.5594, 397.9290

■ 16.5358, 11.1659,
33.9750

■ 51.8082, 40.5487,
89.5408

■ 9.9973, 6.1786,
22.5972

■ 70.0026, 56.4311,
116.6020

■ 5.4594, 2.9540,
14.0939

■ 92.0243, 75.9983,
148.6304

■ 2.5568, 1.1077,
8.0465

■ 118.2387, 99.6347,
186.0445

■ 0.9240, 0.0000,
4.0365

149.0111,
127.7246, 229.2628

■ 0.0000, 0.0000,
1.6454

184.7070,

■ 0.0000, 0.0000,

160.6524, 278.7040

0.3229

225.6917,
198.8025, 334.7865

■ 0.0000, 0.0000,
0.0000

■ 25.4402, 18.3005,
48.6459

■ 25.4402, 18.3005,
48.6459

■ 22.5901, 14.6034,
48.0828

■ 28.7847, 22.8491,
49.3479

■ 20.2019, 11.6973,
47.6478

■ 32.6492, 28.2999,
50.1963

■ 18.2419, 9.5168,
47.3302

■ 37.0598, 34.7019,
51.1996

■ 16.6701, 7.9846,
47.1173

■ 42.0402, 42.1001,
52.3651

■ 15.4220, 6.9749,
46.9882

■ 47.6124, 50.5363,
53.6998

■ 15.2355, 6.8304,
46.9701

■ 53.7975, 60.0502,
55.2101

■ 60.6151, 70.6791,
56.9024

■ 68.0843, 82.4586,
58.7824

■ 73.4832, 89.9432,
59.9425

Harmonies

Analogous

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



20.0045, 18.3005, 63.1635



25.4402, 18.3005, 48.6459



29.0402, 18.3005, 28.8422

Triad

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



25.4402, 18.3005, 48.6459



20.2786, 18.3005, 3.0379



9.3267, 18.3005, 27.9408

Complementary

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



25.4402, 18.3005, 48.6459



29.3437, 40.9494, 17.4245

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.



9.3707, 18.3005, 13.0677



25.4402, 18.3005, 48.6459



15.0213, 18.3005, 2.9838

Square

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



25.4402, 18.3005, 48.6459



25.6754, 18.3005, 5.7865



11.2532, 18.3005, 5.5610



11.1177, 18.3005, 47.7072

Rectangle

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



25.4402, 18.3005, 48.6459



29.5359, 18.3005, 17.8489



11.2532, 18.3005, 5.5610



9.1407, 18.3005, 22.1585

Sweetspot

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



25.4409, 18.3012, 48.6463



69.8917, 66.9079, 93.4322



22.1436, 22.9450, 49.7164



14.9844, 14.1336, 20.4809



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.



25.4409, 18.3012, 48.6463



40.6750, 26.1291, 87.1010



32.5193, 22.0400, 44.9238



9.0143, 8.9737, 11.3364



10.3367, 4.6399, 31.6039



0.4328, 0.1989, 1.1173

Inverse Universe

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



28.6668, 20.4990, 24.6368



47.7324, 30.8951, 36.4801



24.8567, 38.5944, 19.1041



9.1536, 9.0718, 10.1561



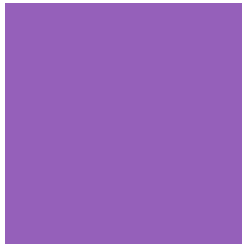
14.5473, 7.3927, 5.5030



0.5438, 0.2730, 0.3570

Previews

White Background



This preview shows how the XYZ color 25.4402, 18.3005, 48.6459 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 25.4402, 18.3005, 48.6459 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 25.4402, 18.3005, 48.6459

Background



This preview shows how black text looks on a background with the XYZ color 25.4402, 18.3005, 48.6459.



This preview shows how white text looks on a background with the XYZ color 25.4402, 18.3005,

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

25.4402, 18.3005, 48.6459

Protanopia

20.4527, 18.5559, 59.6304

Deuteranopia

18.9464, 18.4090, 46.8107



Tritanopia

19.6656, 18.3477, 20.2743

Trichromacy



Original Color

25.4402, 18.3005, 48.6459

Protanomaly

21.3724, 17.9718, 55.1658

Deuteranomaly

20.5536, 17.8858, 47.1688

Tritanomaly

21.3434, 18.0725, 28.7490

Monochromacy



Original Color

25.4402, 18.3005, 48.6459

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.5317, 18.7601, 29.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4402, 18.3005, 48.6459 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(149, 96, 186)` looks like.

```
.text, #text, p{  
    color:rgb(149, 96, 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(149, 96, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 96, 186) }
```

Border

The CSS property to change the border of an element to XYZ 25.4402, 18.3005, 48.6459 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(149, 96, 186) }
```


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

```
.border{ border-color:rgb(149, 96, 186) }
```

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

Here you see how a box with a 4 pixel rgb(149, 96, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 96, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 96, 186);  
box-shadow:4px 4px 4px 4px rgb(149, 96,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4402, 18.3005, 48.6459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 96, 186) }
```

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

```
.background{ background-color: rgb(149, 96,  
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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