

Converting Colors

XYZ(24.5955, 16.4427, 50.1601)

Have a look what the booklet for
XYZ(24.5955, 16.4427, 50.1601)
contains.

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Color

**XYZ(24.6465, 16.4670,
50.0235)**

Conversions

Conversions Part 1

Format	Color
Hex	9455BD
RGB	148, 85, 189
RGB Percent	58%, 33%, 74%
CMY	0.4196, 0.6667, 0.2588
CMYK	0.22, 0.55, 0.00, 0.26
HSL	276°, 44%, 54%
HSV	276°, 55%, 74%
XYZ	24.6465, 16.4670, 50.0235
YIQ	115.6930, 4.1640, 45.7000

Conversions

Conversions Part 2

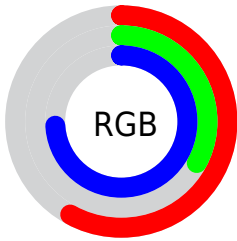
Format	Color
R _{YB}	148, 85, 189
Decimal	9721277
CIE _{Lab}	47.58, 44.78, -44.70
CIE _{LCh}	48, 63.276, 315.053
Yxy	16.4670, 0.2704, 0.1807
Android (android.graphics.Color)	4287911357 (0xFF9455BD)
YUV	115.6930, 36.1404, 28.3332
Hunter-Lab	40.5796, 37.4000, -44.6827

Details

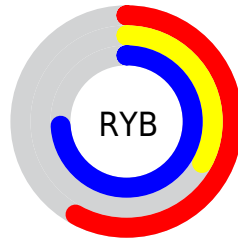
The XYZ color **24.6465, 16.4670, 50.0235** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **28.4419, 41.4870, 15.1037**, and the grayscale version is **16.3994, 17.2535, 18.7890**.

A 20% lighter version of the original color is **50.4821, 37.3825, 91.7436**, and **9.5903, 5.3310, 23.4452** is the 20% darker color. If you saturate the color by 10%, you get **22.0479, 13.2060, 49.5313**, and if you desaturate by 10%, it is **27.7305, 20.5687, 50.6529**.

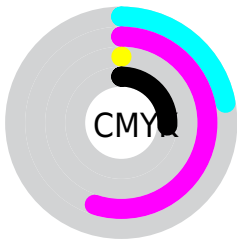
Distribution



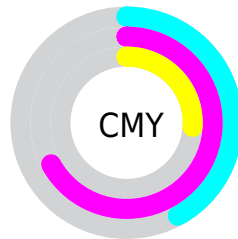
- Red (58%)
- Green (33%)
- Blue (74%)



- Red (58%)
- Yellow (33%)
- Blue (74%)



- Cyan (22%)
- Magenta (55%)
- Yellow (0%)
- Black (26%)



- Cyan (42%)
- Magenta (67%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6465, 16.4670, 50.0235 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 24.6465, 16.4670, 50.0235 by changing the saturation by 10% instead.

■ 24.6465, 16.4670,
50.0235

■ 24.6465, 16.4670,
50.0235

268.4531,
232.0818, 403.4955

■ 15.9412, 9.8552,
35.0608

■ 50.5302, 37.4071,
91.6064

■ 9.5731, 5.3031,
23.4258

■ 68.4393, 52.5041,
119.0636

■ 5.1770, 2.4262,
14.6999

■ 90.1471, 71.1984,
151.5227

■ 2.3873, 0.8393,
8.4648

■ 116.0188, 93.8743,
189.4022

■ 0.8388, 0.0000,
4.3018

■ 146.4200,
120.9162, 233.1207

■ 0.0000, 0.0000,
1.7923

181.7158,

■ 0.0000, 0.0000,

152.7085, 283.0967

0.4229

222.2718,
189.6356, 339.7488

■ 0.0000, 0.0000,
0.0000

■ 24.6465, 16.4670,
50.0235

■ 24.6465, 16.4670,
50.0235

■ 22.0479, 13.2060,
49.5313

■ 27.7305, 20.5687,
50.6529

■ 19.8987, 10.7181,
49.1644

■ 31.3284, 25.5676,
51.4282

■ 18.1604, 8.9281,
48.9105

■ 35.4685, 31.5175,
52.3584

■ 16.7856, 7.7437,
48.7543

■ 40.1764, 38.4673,
53.4518

■ 16.1889, 7.2846,
48.6972

■ 45.4759, 46.4625,
54.7157

■ 51.3894, 55.5458,
56.1572

■ 57.9380, 65.7574,
57.7831

■ 65.1419, 77.1353,
59.5996

■ 72.9872, 89.6503,
61.6017

Harmonies

Analogous

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



18.6392, 16.4670, 67.7304



24.6465, 16.4670, 50.0235



28.6360, 16.4670, 27.1891

Triad

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



24.6465, 16.4670, 50.0235



18.6174, 16.4670, 1.5515



7.3430, 16.4670, 27.2628

Complementary

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



24.6465, 16.4670, 50.0235



28.4419, 41.4870, 15.1037

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.



7.3399, 16.4670, 11.0548



24.6465, 16.4670, 50.0235



13.0012, 16.4670, 1.5545

Square

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



24.6465, 16.4670, 50.0235



24.6272, 16.4670, 3.7099



9.1640, 16.4670, 3.7242



9.1740, 16.4670, 50.1045

Rectangle

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



24.6465, 16.4670, 50.0235



29.1244, 16.4670, 15.3317



9.1640, 16.4670, 3.7242



7.1457, 16.4670, 20.8059

Sweetspot

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



24.6472, 16.4677, 50.0239



69.9704, 65.9377, 95.2656



20.4700, 20.6817, 51.0574



14.6757, 13.6296, 20.3998



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.



24.6472, 16.4677, 50.0239



38.6428, 22.6390, 88.5593



32.3314, 20.5548, 44.6998



9.5560, 9.5035, 12.0029



10.9802, 4.9466, 32.7690



0.5017, 0.2307, 1.2869

Inverse Universe

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



28.0011, 18.8227, 21.8964



45.9582, 27.7029, 30.4983



24.0282, 39.1604, 17.2149



9.6817, 9.5970, 10.7130



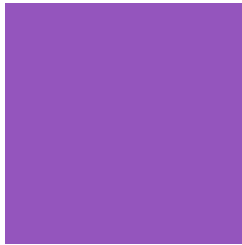
14.9987, 7.6306, 5.2870



0.6198, 0.3118, 0.3774

Previews

White Background



This preview shows how the XYZ color 24.6465, 16.4670, 50.0235 looks on a white background.

Color Contrast Check

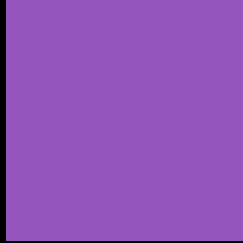
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6465, 16.4670, 50.0235 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 24.6465, 16.4670, 50.0235

Background



This preview shows how black text looks on a background with the XYZ color 24.6465, 16.4670, 50.0235.



This preview shows how white text looks on a background with the XYZ color 24.6465, 16.4670,

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

24.6465, 16.4670, 50.0235

Protanopia

19.2735, 16.8258, 65.1827

Deuteranopia

17.1631, 16.7931, 47.1365



Tritanopia

18.1856, 16.5296, 17.8548

Trichromacy



Original Color

24.6465, 16.4670, 50.0235

Protanomaly

19.7692, 15.8407, 59.1423

Deuteranomaly

18.7528, 15.8559, 47.9711

Tritanomaly

19.9906, 16.2339, 27.2791

Monochromacy



Original Color

24.6465, 16.4670, 50.0235

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.9116, 16.6755, 28.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6465, 16.4670, 50.0235 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(148, 85, 189)` looks like.

```
.text, #text, p{  
    color:rgb(148, 85, 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(148, 85, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 85, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.6465, 16.4670, 50.0235 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(148, 85, 189) }
```


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

```
.border{ border-color:rgb(148, 85, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 85, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 85, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 85, 189);  
box-shadow:4px 4px 4px 4px rgb(148, 85,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6465, 16.4670, 50.0235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 85, 189) }
```

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

```
.background{ background-color: rgb(148, 85,  
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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