

Converting Colors

XYZ(24.6255, 16.3572, 48.5538)

Have a look what the booklet for
XYZ(24.6255, 16.3572, 48.5538)
contains.

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Color

**XYZ(24.6109, 16.3698,
48.3169)**

Conversions

Conversions Part 1

Format	Color
Hex	9654BA
RGB	150, 84, 186
RGB Percent	59%, 33%, 73%
CMY	0.4118, 0.6706, 0.2706
CMYK	0.19, 0.55, 0.00, 0.27
HSL	279°, 42%, 53%
HSV	279°, 55%, 73%
XYZ	24.6109, 16.3698, 48.3169
YIQ	115.3620, 6.5940, 45.7140

Conversions

Conversions Part 2

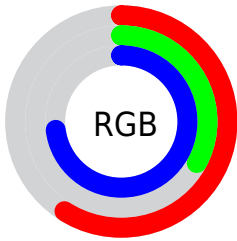
Format	Color
R_{YB}	150, 84, 186
Decimal	9852090
CIE _{Lab}	47.46, 45.17, -43.14
CIE _{LCh}	47, 62.464, 316.316
Yxy	16.3698, 0.2756, 0.1833
Android (android.graphics.Color)	4288042170 (0xFF9654BA)
YUV	115.3620, 34.8245, 30.3775
Hunter-Lab	40.4596, 37.7742, -42.4824

Details

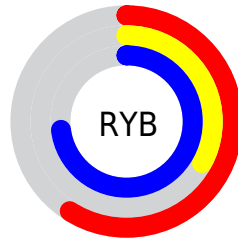
The XYZ color **24.6109, 16.3698, 48.3169** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.9052, 39.7513, 14.6427**, and the grayscale version is **16.3022, 17.1512, 18.6776**.

A 20% lighter version of the original color is **50.4354, 37.2012, 89.3163**, and **9.5326, 5.2405, 22.3389** is the 20% darker color. If you saturate the color by 10%, you get **22.1800, 13.2509, 47.8433**, and if you desaturate by 10%, it is **27.4940, 20.2914, 48.9222**.

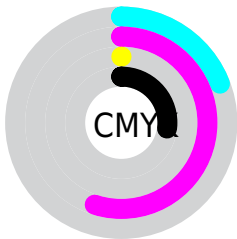
Distribution



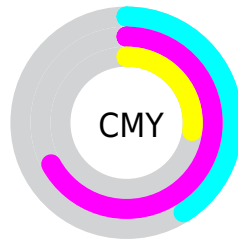
- Red (59%)
- Green (33%)
- Blue (73%)



- Red (59%)
- Yellow (33%)
- Blue (73%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)



- Cyan (41%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6109, 16.3698, 48.3169 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 24.6109, 16.3698, 48.3169 by changing the saturation by 10% instead.

24.6109, 16.3698,
48.3169

24.6109, 16.3698,
48.3169

268.2781,
231.5140, 396.5918

15.9146, 9.7862,
33.7161

50.4727, 37.2390,
89.0465

9.5542, 5.2574,
22.4000

68.3690, 52.2934,
116.0124

5.1644, 2.3991,
13.9500

90.0625, 70.9402,
147.9372

2.3798, 0.8254,
7.9475

115.9188, 93.5638,
185.2392

0.8350, 0.0000,
3.9741

146.3032,
120.5486, 228.3372

0.0000, 0.0000,
1.6112

181.5809,

0.0000, 0.0000,

152.2790, 277.6496

0.2988

222.1175,
189.1393, 333.5949

■ 0.0000, 0.0000,
0.0000

■ 24.6109, 16.3698,
48.3169

■ 24.6109, 16.3698,
48.3169

■ 22.1800, 13.2509,
47.8433

■ 27.4940, 20.2914,
48.9222

■ 20.1673, 10.8701,
47.4898

■ 30.8561, 25.0696,
49.6673

■ 18.5363, 9.1556,
47.2449

■ 34.7241, 30.7559,
50.5610

■ 17.2424, 8.0197,
47.0938

■ 39.1221, 37.3970,
51.6110

■ 16.6580, 7.5637,
47.0366

■ 44.0725, 45.0364,
52.8247

■ 49.5965, 53.7148,
54.2086

■ 55.7139, 63.4707,
55.7693

■ 62.4438, 74.3405,
57.5126

■ 69.8042, 86.3591,
59.4445

Harmonies

Analogous

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



18.7500, 16.3698, 66.1093



24.6109, 16.3698, 48.3169



28.3843, 16.3698, 26.0652

Triad

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



24.6109, 16.3698, 48.3169



18.2194, 16.3698, 1.5736



7.4070, 16.3698, 27.8498

Complementary

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



24.6109, 16.3698, 48.3169



26.9052, 39.7513, 14.6427

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.



7.3300, 16.3698, 11.5335



24.6109, 16.3698, 48.3169



12.7523, 16.3698, 1.6467

Square

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



24.6109, 16.3698, 48.3169



24.1438, 16.3698, 3.6074



9.0533, 16.3698, 3.9602



9.2968, 16.3698, 50.2707

Rectangle

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



24.6109, 16.3698, 48.3169



28.7409, 16.3698, 14.6718



9.0533, 16.3698, 3.9602



7.1869, 16.3698, 21.3979

Sweetspot

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



24.6115, 16.3705, 48.3173



69.7126, 65.9569, 93.2581



19.4057, 19.2027, 49.1383



14.9776, 13.9564, 20.4470



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.



24.6115, 16.3705, 48.3173



39.3158, 22.9323, 86.5556



30.9053, 19.7742, 41.4197



9.0650, 8.9999, 11.3388



11.2906, 5.1317, 31.6485



0.4625, 0.2141, 1.1187

Inverse Universe

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



26.8106, 18.1363, 19.8572



44.3939, 26.8694, 27.1937



23.4013, 37.8773, 17.5347



9.1320, 9.0632, 10.0426



14.3105, 7.2980, 4.2561



0.5345, 0.2693, 0.3081

Previews

White Background



This preview shows how the XYZ color 24.6109, 16.3698, 48.3169 looks on a white background.

Color Contrast Check

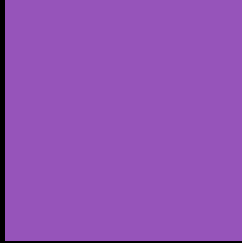
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6109, 16.3698, 48.3169 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 24.6109, 16.3698, 48.3169

Background



This preview shows how black text looks on a background with the XYZ color 24.6109, 16.3698, 48.3169.



This preview shows how white text looks on a background with the XYZ color 24.6109, 16.3698,

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

24.6109, 16.3698, 48.3169

Protanopia

19.1973, 16.8157, 63.8620

Deuteranopia

16.9674, 16.5614, 45.4824



Tritanopia

18.2007, 16.2515, 17.2165

Trichromacy



Original Color

24.6109, 16.3698, 48.3169



Protanomaly

19.8286, 15.8988, 57.9008



Deuteranomaly

18.6744, 15.7049, 46.3031



Tritanomaly

19.9256, 15.9515, 26.0735

Monochromacy



Original Color

24.6109, 16.3698, 48.3169



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

18.6601, 16.4129, 27.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6109, 16.3698, 48.3169 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(150, 84, 186)` looks like.

```
.text, #text, p{  
    color:rgb(150, 84, 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(150, 84, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 84, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.6109, 16.3698, 48.3169 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(150, 84, 186) }
```


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

```
.border{ border-color:rgb(150, 84, 186) }
```

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

Here you see how a box with a 4 pixel rgb(150, 84, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 84, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 84, 186);  
box-shadow:4px 4px 4px 4px rgb(150, 84,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6109, 16.3698, 48.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 84, 186) }
```

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

```
.background{ background-color: rgb(150, 84,  
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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