

Converting Colors

XYZ(24.8773, 15.9474, 58.2669)

Have a look what the booklet for
XYZ(24.8773, 15.9474, 58.2669)
contains.

XYZ(24.8773, 15.9474, 58.2669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8773, 15.9474,
58.2669)**

Conversions

Conversions Part 1

Format	Color
Hex	8E51CB
RGB	142, 81, 203
RGB Percent	56%, 32%, 80%
CMY	0.4431, 0.6823, 0.2039
CMYK	0.30, 0.60, 0.00, 0.20
HSL	270°, 54%, 56%
HSV	270°, 60%, 80%
XYZ	24.8773, 15.9474, 58.2669
YIQ	113.1470, -2.8060, 50.8740

Conversions

Conversions Part 2

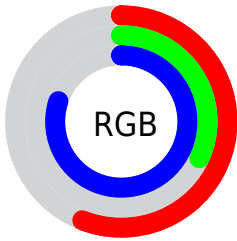
Format	Color
R_{YB}	142, 81, 203
Decimal	9327051
CIE _{Lab}	46.91, 48.69, -53.92
CIE _{LCh}	47, 72.648, 312.084
Yxy	15.9474, 0.2511, 0.1609
Android (android.graphics.Color)	4287517131 (0xFF8E51CB)
YUV	113.1470, 44.2975, 25.3041
Hunter-Lab	39.9342, 41.3130, -58.5545

Details

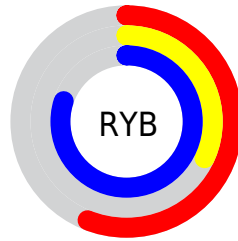
The XYZ color **24.8773, 15.9474, 58.2669** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **33.9964, 49.0569, 15.4620**, and the grayscale version is **15.6135, 16.4266, 17.8886**.

A 20% lighter version of the original color is **49.9907, 36.1372, 98.9481**, and **9.7400, 5.0929, 28.4866** is the 20% darker color. If you saturate the color by 10%, you get **21.9253, 12.5113, 57.7596**, and if you desaturate by 10%, it is **28.4401, 20.3680, 58.9327**.

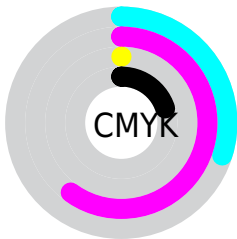
Distribution



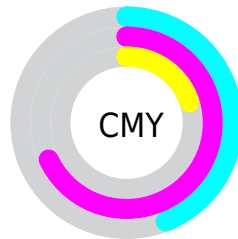
- Red (56%)
- Green (32%)
- Blue (80%)



- Red (56%)
- Yellow (32%)
- Blue (80%)



- Cyan (30%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)



- Cyan (44%)
- Magenta (68%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8773, 15.9474, 58.2669 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 24.8773, 15.9474, 58.2669 by changing the saturation by 10% instead.

■ 24.8773, 15.9474,
58.2669

■ 24.8773, 15.9474,
58.2669

269.5853,
229.0311, 435.8057

■ 16.1139, 9.4869,
41.6071

■ 50.9024, 36.5069,
103.8300

■ 9.6962, 5.0601,
28.4705

■ 68.8949, 51.3747,
133.5705

■ 5.2587, 2.2826,
18.4385

■ 90.6944, 69.8137,
168.5083

■ 2.4361, 0.7645,
11.0926

■ 116.6663, 92.2083,
209.0619

■ 0.8632, 0.0000,
6.0142

■ 147.1760,
118.9430, 255.6499

■ 0.0000, 0.0000,
2.7848

182.5888,

■ 0.0000, 0.0000,

150.4021, 308.6909

0.9858

223.2701,
186.9700, 368.6033

■ 0.0000, 0.0000,
0.0000

■ 24.8773, 15.9474,
58.2669

■ 24.8773, 15.9474,
58.2669

■ 21.9253, 12.5113,
57.7596

■ 28.4401, 20.3680,
58.9327

■ 19.5361, 9.9726,
57.3955

■ 32.6521, 25.8464,
59.7681

■ 17.6570, 8.2313,
57.1584

■ 37.5506, 32.4505,
60.7847

■ 16.2030, 7.1077,
57.0182

■ 43.1693, 40.2421,
61.9925

■ 49.5395, 49.2785,
63.4009

■ 56.6904, 59.6128,
65.0187

■ 64.6498, 71.2954,
66.8542

■ 73.4438, 84.3737,
68.9151

■ 80.2582, 93.2144,
70.2624

Harmonies

Analogous

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



17.8539, 15.9474, 78.7108



24.8773, 15.9474, 58.2669



29.9569, 15.9474, 30.4614

Triad

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



24.8773, 15.9474, 58.2669



19.2228, 15.9474, 0.8212



6.0927, 15.9474, 25.7409

Complementary

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



24.8773, 15.9474, 58.2669



33.9964, 49.0569, 15.4620

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.



6.2691, 15.9474, 8.6901



24.8773, 15.9474, 58.2669



12.7473, 15.9474, 0.6875

Square

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



24.8773, 15.9474, 58.2669



26.1169, 15.9474, 2.9058



8.3704, 15.9474, 2.2082



7.7942, 15.9474, 52.8196

Rectangle

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



24.8773, 15.9474, 58.2669



30.8840, 15.9474, 16.1258



8.3704, 15.9474, 2.2082



5.9511, 15.9474, 18.6641

Sweetspot

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



24.8780, 15.9480, 58.2673



74.1702, 70.0343, 104.2165



23.8462, 25.4075, 60.1475



15.2394, 14.0969, 22.1677



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.8780, 15.9480, 58.2673



35.4747, 19.5856, 96.5184



38.3508, 22.8935, 58.8978



11.1273, 11.1149, 14.1293



10.4165, 4.5775, 36.2908



0.6249, 0.2813, 1.8763

Inverse Universe

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



32.4537, 20.5346, 27.8438



50.1473, 28.4689, 37.5947



26.2348, 45.0556, 15.0988



11.4423, 11.3057, 12.8639



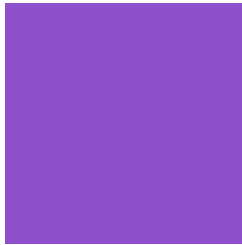
17.2299, 8.7026, 8.9293



0.9272, 0.4643, 0.6624

Previews

White Background



This preview shows how the XYZ color 24.8773, 15.9474, 58.2669 looks on a white background.

Color Contrast Check

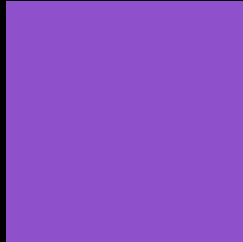
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8773, 15.9474, 58.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

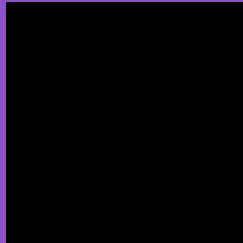
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8773, 15.9474, 58.2669

Background



This preview shows how black text looks on a background with the XYZ color 24.8773, 15.9474, 58.2669.



This preview shows how white text looks on a background with the XYZ color 24.8773, 15.9474,

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

24.8773, 15.9474, 58.2669

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.5965, 16.1708, 54.4711



Tritanopia

16.7955, 15.9586, 18.1147

Trichromacy



Original Color

24.8773, 15.9474, 58.2669



Protanomaly

18.5700, 14.5799, 68.8533



Deuteranomaly

17.8641, 14.9267, 55.9724



Tritanomaly

18.9787, 15.5302, 29.1915

Monochromacy



Original Color

24.8773, 15.9474, 58.2669



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.1542, 15.6678, 29.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8773, 15.9474, 58.2669 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(142, 81, 203)` looks like.

```
.text, #text, p{  
    color:rgb(142, 81, 203)  
}
```

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(142, 81, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 81, 203) }
```

Border

The CSS property to change the border of an element to XYZ 24.8773, 15.9474, 58.2669 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(142, 81, 203) }
```


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

```
.border{ border-color:rgb(142, 81, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 81, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 81, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 81, 203);  
box-shadow:4px 4px 4px 4px rgb(142, 81,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8773, 15.9474, 58.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 81, 203) }
```

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

```
.background{ background-color: rgb(142, 81,  
203) }
```

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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