

Converting Colors

XYZ(23.5726, 16.9170, 57.5596)

Have a look what the booklet for
XYZ(23.5726, 16.9170, 57.5596)
contains.

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Color

**XYZ(23.4474, 16.8116,
57.2675)**

Conversions

Conversions Part 1

Format	Color
Hex	805EC9
RGB	128, 94, 201
RGB Percent	50%, 37%, 79%
CMY	0.4980, 0.6314, 0.2118
CMYK	0.36, 0.53, 0.00, 0.21
HSL	259°, 50%, 58%
HSV	259°, 53%, 79%
XYZ	23.4474, 16.8116, 57.2675
YIQ	116.3640, -14.0830, 40.4850

Conversions

Conversions Part 2

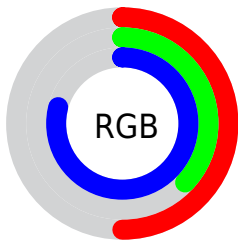
Format	Color
R_{YB}	128, 94, 201
Decimal	8412873
CIE _{Lab}	48.02, 37.63, -51.06
CIE _{LCh}	48, 63.426, 306.390
Yxy	16.8116, 0.2404, 0.1724
Android (android.graphics.Color)	4286602953 (0xFF805EC9)
YUV	116.3640, 41.7255, 10.2048
Hunter-Lab	41.0020, 30.3237, -54.1091

Details

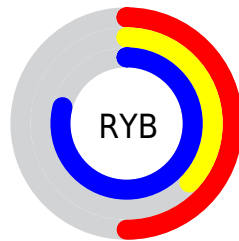
The XYZ color **23.4474, 16.8116, 57.2675** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **38.8433, 50.7971, 18.3476**, and the grayscale version is **16.5916, 17.4557, 19.0093**.

A 20% lighter version of the original color is **47.9426, 37.6611, 99.3502**, and **8.9130, 5.4458, 27.7755** is the 20% darker color. If you saturate the color by 10%, you get **19.9622, 12.6984, 56.6576**, and if you desaturate by 10%, it is **27.6781, 22.0003, 58.0464**.

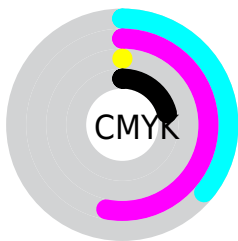
Distribution



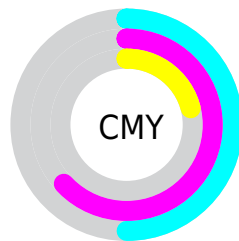
- Red (50%)
- Green (37%)
- Blue (79%)



- Red (50%)
- Yellow (37%)
- Blue (79%)



- Cyan (36%)
- Magenta (53%)
- Yellow (0%)
- Black (21%)



- Cyan (50%)
- Magenta (63%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4474, 16.8116, 57.2675 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 23.4474, 16.8116, 57.2675 by changing the saturation by 10% instead.

■ 23.4474, 16.8116,
57.2675

■ 23.4474, 16.8116,
57.2675

262.5073,
234.0843, 431.9727

■ 15.0467, 10.1003,
40.8093

■ 48.5882, 38.0016,
102.3596

■ 8.9387, 5.4655,
27.8515

■ 66.0590, 53.2490,
131.8306

■ 4.7580, 2.5229,
17.9757

■ 87.2839, 72.1105,
166.4761

■ 2.1393, 0.8881,
10.7633

■ 112.6283, 94.9706,
206.7149

■ 0.7104, 0.0000,
5.7957

142.4574,
122.2137, 252.9654

■ 0.0000, 0.0000,
2.6545

177.1368,

■ 0.0000, 0.0000,

154.2240, 305.6462

0.9204

217.0316,
191.3861, 365.1758

■ 0.0000, 0.0000,
0.0000

■ 23.4474, 16.8116,
57.2675

■ 23.4474, 16.8116,
57.2675

■ 19.9622, 12.6984,
56.6576

■ 27.6781, 22.0003,
58.0464

■ 17.1723, 9.5794,
56.2026

■ 32.6957, 28.3341,
59.0045

■ 15.0241, 7.3639,
55.8882

■ 38.5407, 35.8787,
60.1526

■ 13.4536, 5.9430,
55.6967

■ 45.2502, 44.6940,
61.5005

■ 12.6488, 5.3028,
55.6156

■ 52.8590, 54.8363,
63.0572

■ 61.3999, 66.3581,
64.8310

■ 70.9038, 79.3092,
66.8299

■ 81.4005, 93.7369,
69.0614

■ 86.2370, 96.3240,
69.3059

Harmonies

Analogous

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



17.2367, 16.8116, 70.9786



23.4474, 16.8116, 57.2675



28.3499, 16.8116, 34.0745

Triad

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



23.4474, 16.8116, 57.2675



20.8104, 16.8116, 1.9432



7.3401, 16.8116, 22.0460

Complementary

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



23.4474, 16.8116, 57.2675



38.8433, 50.7971, 18.3476

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.



7.8602, 16.8116, 8.3524



23.4474, 16.8116, 57.2675



14.7838, 16.8116, 1.4449

Square

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



23.4474, 16.8116, 57.2675



26.5906, 16.8116, 5.2411



10.2931, 16.8116, 2.8416



8.6493, 16.8116, 44.1324

Rectangle

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



23.4474, 16.8116, 57.2675



29.6901, 16.8116, 20.3647



10.2931, 16.8116, 2.8416



7.3124, 16.8116, 16.3890

Sweetspot

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



23.4481, 16.8122, 57.2679



73.8779, 71.7722, 104.5674



28.9992, 34.2773, 60.3465



15.2933, 14.6784, 22.2771



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.



23.4481, 16.8122, 57.2679



33.3024, 20.7385, 96.8554



33.6918, 22.0930, 57.7473



10.3687, 10.4483, 13.3877



8.0378, 3.3779, 34.9727



0.4565, 0.1991, 1.6595

Inverse Universe

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



35.0653, 23.2132, 39.1910



55.8459, 33.1981, 60.0511



29.7971, 46.1336, 17.9242



10.9341, 10.7570, 12.6364



18.0332, 8.9628, 15.9164



0.8857, 0.4371, 0.9214

Previews

White Background



This preview shows how the XYZ color 23.4474, 16.8116, 57.2675 looks on a white background.

Color Contrast Check

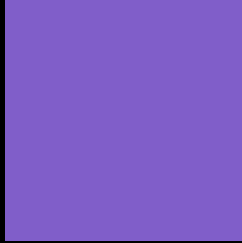
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4474, 16.8116, 57.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

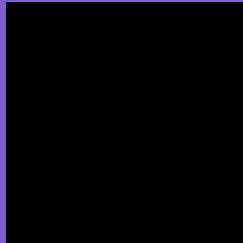
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4474, 16.8116, 57.2675

Background



This preview shows how black text looks on a background with the XYZ color 23.4474, 16.8116, 57.2675.



This preview shows how white text looks on a background with the XYZ color 23.4474, 16.8116,

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

23.4474, 16.8116, 57.2675

Protanopia

19.7521, 16.9981, 68.5696

Deuteranopia

17.4099, 16.9251, 54.5738



Tritanopia

16.1480, 16.8442, 21.1391

Trichromacy



Original Color

23.4474, 16.8116, 57.2675

Protanomaly

20.2273, 16.4034, 64.3874

Deuteranomaly

18.5926, 16.2123, 55.5754

Tritanomaly

18.1797, 16.5317, 31.5109

Monochromacy



Original Color

23.4474, 16.8116, 57.2675

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.3748, 16.8248, 29.8828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4474, 16.8116, 57.2675 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(128, 94, 201)` looks like.

```
.text, #text, p{  
    color:rgb(128, 94, 201)  
}
```

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(128, 94, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 94, 201) }
```

Border

The CSS property to change the border of an element to XYZ 23.4474, 16.8116, 57.2675 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(128, 94, 201) }
```


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

```
.border{ border-color:rgb(128, 94, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 94, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 94, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 94, 201);  
box-shadow:4px 4px 4px 4px rgb(128, 94,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4474, 16.8116, 57.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 94, 201) }
```

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

```
.background{ background-color: rgb(128, 94,  
201) }
```

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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