

Converting Colors

XYZ(23.0255, 14.8960, 49.8063)

Have a look what the booklet for
XYZ(23.0255, 14.8960, 49.8063)
contains.

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Color

**XYZ(23.0650, 14.8737,
49.7994)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4EBD
RGB	142, 78, 189
RGB Percent	56%, 31%, 74%
CMY	0.4431, 0.6941, 0.2588
CMYK	0.25, 0.59, 0.00, 0.26
HSL	275°, 46%, 52%
HSV	275°, 59%, 74%
XYZ	23.0650, 14.8737, 49.7994
YIQ	109.7900, 2.5130, 48.0890

Conversions

Conversions Part 2

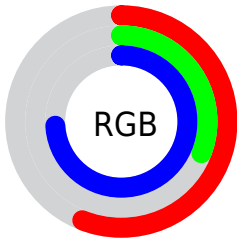
Format	Color
R_{YB}	142, 78, 189
Decimal	9326269
CIE _{Lab}	45.46, 46.95, -48.13
CIE _{LCh}	45, 67.238, 314.293
Yxy	14.8737, 0.2629, 0.1695
Android (android.graphics.Color)	4287516349 (0xFF8E4EBD)
YUV	109.7900, 39.0505, 28.2482
Hunter-Lab	38.5664, 39.2622, -49.5625

Details

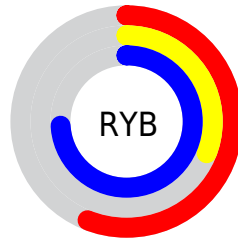
The XYZ color **23.0650, 14.8737, 49.7994** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **28.0306, 41.3056, 13.7037**, and the grayscale version is **14.6528, 15.4159, 16.7879**.

A 20% lighter version of the original color is **47.9059, 34.6249, 91.3471**, and **8.7896, 4.6078, 23.3478** is the 20% darker color. If you saturate the color by 10%, you get **20.5860, 11.8809, 49.3527**, and if you desaturate by 10%, it is **26.0296, 18.6901, 50.3800**.

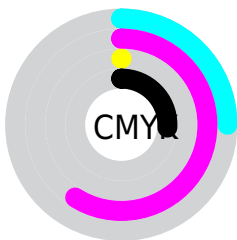
Distribution



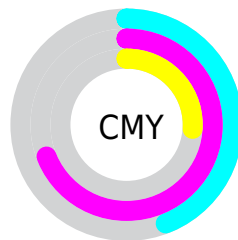
- Red (56%)
- Green (31%)
- Blue (74%)



- Red (56%)
- Yellow (31%)
- Blue (74%)



- Cyan (25%)
- Magenta (59%)
- Yellow (0%)
- Black (26%)



- Cyan (44%)
- Magenta (69%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0650, 14.8737, 49.7994 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 23.0650, 14.8737, 49.7994 by changing the saturation by 10% instead.

■ 23.0650, 14.8737,
49.7994

■ 23.0650, 14.8737,
49.7994

260.5878,
222.6005, 402.5935

■ 14.7625, 8.7308,
34.8840

■ 47.9659, 34.6315,
91.2708

■ 8.7381, 4.5660,
23.2907

■ 65.2950, 49.0151,
118.6639

■ 4.6265, 1.9950,
14.6010

■ 86.3636, 66.9144,
151.0533

■ 2.0623, 0.6045,
8.3963

■ 111.5372, 88.7139,
188.8575

■ 0.6686, 0.0000,
4.2582

■ 141.1811,
114.7978, 232.4951

■ 0.0000, 0.0000,
1.7680

175.6605,

■ 0.0000, 0.0000,

145.5506, 282.3846

0.4067

215.3410,
181.3567, 338.9446

■ 0.0000, 0.0000,
0.0000

■ 23.0650, 14.8737,
49.7994

■ 23.0650, 14.8737,
49.7994

■ 20.5860, 11.8809,
49.3527

■ 26.0296, 18.6901,
50.3800

■ 18.5547, 9.6408,
49.0273

■ 29.5100, 23.3894,
51.1037

■ 16.9295, 8.0728,
48.8103

■ 33.5359, 29.0274,
51.9797

■ 15.6408, 7.0407,
48.6791

■ 38.1339, 35.6546,
53.0166

■ 15.4889, 6.9237,
48.6645

■ 43.3288, 43.3180,
54.2219

■ 49.1438, 52.0612,
55.6031

■ 55.6010, 61.9257,
57.1668

■ 62.7209, 72.9504,
58.9195

■ 70.5236, 85.1725,
60.8674

Harmonies

Analogous

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



16.9645, 14.8737, 68.2016



23.0650, 14.8737, 49.7994



27.2372, 14.8737, 26.0560

Triad

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



23.0650, 14.8737, 49.7994



17.2558, 14.8737, 0.9546



6.0612, 14.8737, 25.0604

Complementary

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



23.0650, 14.8737, 49.7994



28.0306, 41.3056, 13.7037

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.



6.1004, 14.8737, 9.2009



23.0650, 14.8737, 49.7994



11.6425, 14.8737, 0.9246

Square

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



23.0650, 14.8737, 49.7994



23.3262, 14.8737, 2.7971



7.8736, 14.8737, 2.6336



7.7472, 14.8737, 48.6710

Rectangle

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



23.0650, 14.8737, 49.7994



27.8169, 14.8737, 13.9950



7.8736, 14.8737, 2.6336



5.8905, 14.8737, 18.6141

Sweetspot

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



23.0656, 14.8743, 49.7997



68.6848, 64.4225, 95.0409



19.8014, 20.2417, 51.0078



14.2279, 13.0642, 20.3143



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.



23.0656, 14.8743, 49.7997



35.9291, 20.2016, 88.2318



32.1133, 19.6290, 46.1361



9.5290, 9.4896, 12.0016



10.5101, 4.7042, 32.7470



0.4849, 0.2220, 1.2862

Inverse Universe

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



27.4127, 17.7488, 21.3835



45.1861, 26.2749, 29.8829



22.9956, 38.6775, 14.9319



9.6933, 9.6016, 10.7738



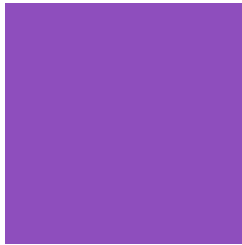
15.1316, 7.6838, 5.9867



0.6255, 0.3141, 0.4070

Previews

White Background



This preview shows how the XYZ color 23.0650, 14.8737, 49.7994 looks on a white background.

Color Contrast Check

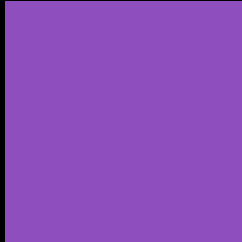
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0650, 14.8737, 49.7994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

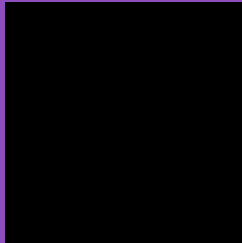
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0650, 14.8737, 49.7994

Background



This preview shows how black text looks on a background with the XYZ color 23.0650, 14.8737, 49.7994.



This preview shows how white text looks on a background with the XYZ color 23.0650, 14.8737,

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

23.0650, 14.8737, 49.7994

Protanopia

17.9722, 15.1818, 66.9489

Deuteranopia

15.5372, 15.1404, 46.9032



Tritanopia

16.1660, 14.7862, 16.1893

Trichromacy



Original Color

23.0650, 14.8737, 49.7994

Protanomaly

17.9804, 14.0571, 60.1581

Deuteranomaly

16.9624, 14.2166, 47.7490

Tritanomaly

18.0154, 14.4470, 25.5059

Monochromacy



Original Color

23.0650, 14.8737, 49.7994

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.0539, 14.7370, 26.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0650, 14.8737, 49.7994 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, 78, 189)` looks like.

```
.text, #text, p{  
    color:rgb(142, 78, 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(142, 78, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 78, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.0650, 14.8737, 49.7994 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, 78, 189) }
```


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

```
.border{ border-color:rgb(142, 78, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 78, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 78, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 78, 189);  
box-shadow:4px 4px 4px 4px rgb(142, 78,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0650, 14.8737, 49.7994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 78, 189) }
```

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

```
.background{ background-color: rgb(142, 78,  
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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