

Converting Colors

XYZ(23.1058, 10.4684, 66.2781)

Have a look what the booklet for
XYZ(23.1058, 10.4684, 66.2781)
contains.

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Color

**XYZ(23.1718, 10.4987,
66.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	8B00D9
RGB	139, 0, 217
RGB Percent	55%, 0%, 85%
CMY	0.4549, 1.0000, 0.1490
CMYK	0.36, 1.00, 0.00, 0.15
HSL	278°, 100%, 43%
HSV	278°, 100%, 85%
XYZ	23.1718, 10.4987, 66.4508
YIQ	66.2990, 13.1870, 96.9550

Conversions

Conversions Part 2

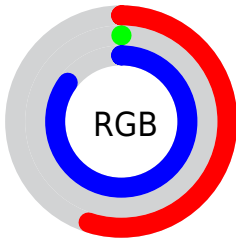
Format	Color
R_{YB}	139, 0, 217
Decimal	9109721
CIE _{Lab}	38.72, 76.48, -75.30
CIE _{LCh}	39, 107.323, 315.446
Yxy	10.4987, 0.2314, 0.1049
Android (android.graphics.Color)	4287299801 (0xFF8B00D9)
YUV	66.2990, 74.2956, 63.7588
Hunter-Lab	32.4017, 70.9498, -98.9133

Details

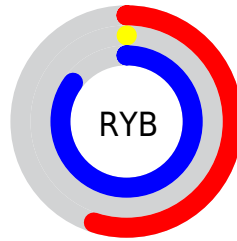
The XYZ color **23.1718, 10.4987, 66.4508** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **27.9546, 51.2455, 8.4180**, and the grayscale version is **5.1120, 5.3782, 5.8569**.

A 20% lighter version of the original color is **44.5456, 25.2470, 97.1331**, and **9.5749, 4.1929, 34.0229** is the 20% darker color. If you saturate the color by 10%, you get **23.1724, 10.4990, 66.4511**, and if you desaturate by 10%, it is **24.8030, 11.7570, 66.6080**.

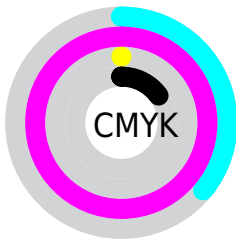
Distribution



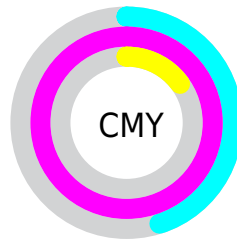
- Red (55%)
- Green (0%)
- Blue (85%)



- Red (55%)
- Yellow (0%)
- Blue (85%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1718, 10.4987, 66.4508 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 23.1718, 10.4987, 66.4508 by changing the saturation by 10% instead.

23.1718, 10.4987,
66.4508

23.1718, 10.4987,
66.4508

261.1251,
194.1953, 466.4355

14.8418, 5.7308,
48.1797

48.1399, 26.7294,
115.7663

8.7940, 2.6821,
33.6082

65.5086, 38.9610,
147.6477

4.6631, 0.9681,
22.3178

86.6210, 54.4493,
184.9029

2.0837, 0.0000,
13.8901

111.8424, 73.5787,
227.9505

0.6803, 0.0000,
7.9064

141.5382, 96.7336,
277.2091

0.0000, 0.0000,
3.9482

176.0736,

0.0000, 0.0000,

124.2984, 333.0970

1.5970

215.8141,
156.6575, 396.0330

■ 0.0000, 0.0000,
0.2886

■ 0.0000, 0.0000,
0.0000

■ 23.1718, 10.4987,
66.4508

■ 23.1718, 10.4987,
66.4508

■ 23.1724, 10.4990,
66.4511

■ 24.8030, 11.7570,
66.6080

■ 26.8444, 13.6961,
66.8746

■ 29.4027, 16.5255,
67.2859

■ 32.5378, 20.3625,
67.8613

■ 36.3005, 25.3060,
68.6172

■ 40.7353, 31.4427,
69.5679

■ 45.8825, 38.8507,
70.7265

■ 51.7788, 47.6010,
72.1047

■ 58.4583, 57.7595,
73.7135

Harmonies

Analogous

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



14.0636, 10.4987, 105.3236



23.1718, 10.4987, 66.4508



29.8209, 10.4987, 24.3033

Triad

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



23.1718, 10.4987, 66.4508



13.8079, 10.4987, 0.0000



1.7659, 10.4987, 25.2856

Complementary

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



23.1718, 10.4987, 66.4508



27.9546, 51.2455, 8.4180

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.



1.7487, 10.4987, 4.1636



23.1718, 10.4987, 66.4508



6.7729, 10.4987, 0.0000

Square

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



23.1718, 10.4987, 66.4508



22.9100, 10.4987, 0.0000



3.0795, 10.4987, 0.0000



3.1484, 10.4987, 67.8480

Rectangle

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



23.1718, 10.4987, 66.4508



30.6070, 10.4987, 8.1145



3.0795, 10.4987, 0.0000



1.6337, 10.4987, 15.5474

Sweetspot

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



23.1724, 10.4990, 66.4511



65.9076, 55.6730, 101.8800



15.3615, 10.6839, 66.8984



13.4065, 10.8994, 21.6472



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.



23.1724, 10.4990, 66.4511



33.2249, 15.0429, 95.7602



37.6997, 18.3855, 49.1766



13.1368, 13.0286, 16.4745



14.1465, 6.4170, 40.2314



1.0093, 0.4636, 2.6107

Inverse Universe

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



29.9904, 15.3018, 8.5801



43.1567, 22.0267, 12.0234



25.0339, 49.7143, 9.4345



13.2485, 13.1285, 14.5696



18.2006, 9.2813, 5.4366



1.2195, 0.6174, 0.5649

Previews

White Background



This preview shows how the XYZ color 23.1718, 10.4987, 66.4508 looks on a white background.

Color Contrast Check

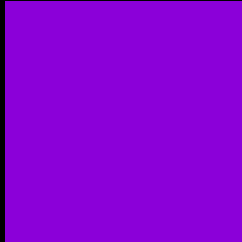
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1718, 10.4987, 66.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

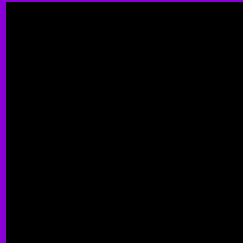
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1718, 10.4987, 66.4508

Background



This preview shows how black text looks on a background with the XYZ color 23.1718, 10.4987, 66.4508.



This preview shows how white text looks on a background with the XYZ color 23.1718, 10.4987,

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

23.1718, 10.4987, 66.4508

Protanopia

12.8415, 10.9865, 49.5879

Deuteranopia

10.7937, 11.0101, 36.2066



Tritanopia

12.2071, 10.8972, 11.3575

Trichromacy



Original Color

23.1718, 10.4987, 66.4508



Protanomaly

13.1372, 7.7536, 54.8370



Deuteranomaly

11.5812, 7.4602, 45.6293



Tritanomaly

14.1467, 8.7296, 24.6063

Monochromacy



Original Color

23.1718, 10.4987, 66.4508



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.7934, 5.3636, 18.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1718, 10.4987, 66.4508 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(139, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 217)  
}
```

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(139, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 23.1718, 10.4987, 66.4508 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(139, 0, 217) }
```


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

```
.border{ border-color:rgb(139, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1718, 10.4987, 66.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 217) }
```

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

```
.background{ background-color: rgb(139, 0,  
217) }
```

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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