

Converting Colors

XYZ(23.5297, 10.6869, 66.2979)

Have a look what the booklet for
XYZ(23.5297, 10.6869, 66.2979)
contains.

XYZ(23.5089, 10.6725, 66.4666)	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(23.5089, 10.6725,
66.4666)**

Conversions

Conversions Part 1

Format	Color
Hex	8D00D9
RGB	141, 0, 217
RGB Percent	55%, 0%, 85%
CMY	0.4470, 1.0000, 0.1490
CMYK	0.35, 1.00, 0.00, 0.15
HSL	279°, 100%, 43%
HSV	279°, 100%, 85%
XYZ	23.5089, 10.6725, 66.4666
YIQ	66.8970, 14.3790, 97.3790

Conversions

Conversions Part 2

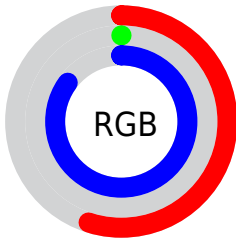
Format	Color
R_{YB}	141, 0, 217
Decimal	9240793
CIE Lab	39.02, 76.69, -74.79
CIE LCh	39, 107.122, 315.718
Yxy	10.6725, 0.2336, 0.1060
Android (android.graphics.Color)	4287430873 (0xFF8D00D9)
YUV	66.8970, 74.0008, 64.9883
Hunter-Lab	32.6688, 71.2806, -97.7609

Details

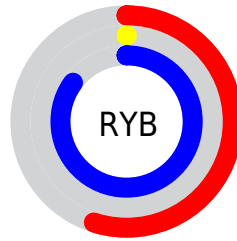
The XYZ color **23.5089, 10.6725, 66.4666** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **27.7934, 51.1624, 8.4105**, and the grayscale version is **5.2052, 5.4762, 5.9636**.

A 20% lighter version of the original color is **45.1547, 25.6721, 97.1830**, and **9.7413, 4.2787, 34.0307** is the 20% darker color. If you saturate the color by 10%, you get **23.5094, 10.6727, 66.4669**, and if you desaturate by 10%, it is **25.1278, 11.9246, 66.6232**.

Distribution



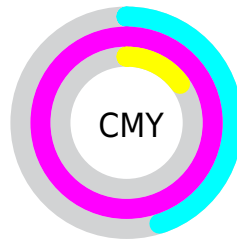
- Red (55%)
- Green (0%)
- Blue (85%)



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



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5089, 10.6725, 66.4666 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 23.5089, 10.6725, 66.4666 by changing the saturation by 10% instead.


 23.5089, 10.6725,
66.4666


 23.5089, 10.6725,
66.4666


262.8149,
195.4067, 466.4934


 15.0925, 5.8471,
48.1924


 48.6881, 27.0530,
115.7891

 8.9711, 2.7523,
33.6182


 66.1817, 39.3768,
147.6746


 4.7793, 1.0038,
22.3255


 87.4316, 54.9688,
184.9342

 2.1518, 0.0000,
13.8956

 112.8033, 74.2135,
227.9865

 0.7171, 0.0000,
7.9102

 142.6621, 97.4953,
277.2500

 0.0000, 0.0000,
3.9506

 177.3735,

 0.0000, 0.0000,

125.1985, 333.1433

1.5983

217.3026,
157.7075, 396.0850

■ 0.0000, 0.0000,
0.2896

■ 0.0000, 0.0000,
0.0000

■ 23.5089, 10.6725,
66.4666

■ 23.5089, 10.6725,
66.4666

■ 23.5094, 10.6727,
66.4669

■ 25.1278, 11.9246,
66.6232

■ 27.1526, 13.8551,
66.8891

■ 29.6898, 16.6737,
67.2994

■ 32.7990, 20.4974,
67.8736

■ 36.5311, 25.4251,
68.6280

■ 40.9303, 31.5436,
69.5772

■ 46.0368, 38.9306,
70.7339

■ 51.8873, 47.6574,
72.1099

■ 58.5156, 57.7896,
73.7163

Harmonies

Analogous

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



14.3416, 10.6725, 105.6234



23.5089, 10.6725, 66.4666



30.1451, 10.6725, 24.2880

Triad

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



23.5089, 10.6725, 66.4666



13.9266, 10.6725, 0.0000



1.8317, 10.6725, 25.8791

Complementary

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



23.5089, 10.6725, 66.4666



27.7934, 51.1624, 8.4105

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.



1.8034, 10.6725, 4.3634



23.5089, 10.6725, 66.4666



6.8574, 10.6725, 0.0000

Square

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



23.5089, 10.6725, 66.4666



23.0850, 10.6725, 0.0000



3.1426, 10.6725, 0.0000



3.2554, 10.6725, 68.7224

Rectangle

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



23.5089, 10.6725, 66.4666



30.8879, 10.6725, 8.1233



3.1426, 10.6725, 0.0000



1.6930, 10.6725, 16.0002

Sweetspot

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



23.5095, 10.6728, 66.4669



66.1311, 55.7882, 101.8905



15.3616, 10.6841, 66.8985



13.4598, 10.9269, 21.6497



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.



23.5095, 10.6728, 66.4669



33.7118, 15.2940, 95.7830



37.6998, 18.3856, 49.1768



13.1488, 13.0348, 16.4751



14.3495, 6.5216, 40.2409



1.0215, 0.4699, 2.6113

Inverse Universe

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



29.9199, 15.2736, 8.2085



43.0561, 21.9864, 11.4932



25.0340, 49.7143, 9.4346



13.2434, 13.1265, 14.5430



18.1572, 9.2639, 5.2077



1.2163, 0.6162, 0.5480

Previews

White Background



This preview shows how the XYZ color 23.5089, 10.6725, 66.4666 looks on a white background.

Color Contrast Check

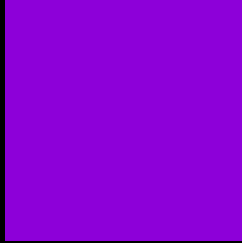
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5089, 10.6725, 66.4666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

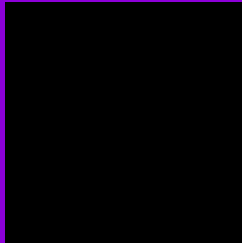
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5089, 10.6725, 66.4666

Background



This preview shows how black text looks on a background with the XYZ color 23.5089, 10.6725, 66.4666.



This preview shows how white text looks on a background with the XYZ color 23.5089, 10.6725,

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

23.5089, 10.6725, 66.4666

Protanopia

13.1451, 11.2438, 50.7677

Deuteranopia

10.9744, 11.0824, 37.1580



Tritanopia

12.4729, 11.0342, 11.3700

Trichromacy



Original Color

23.5089, 10.6725, 66.4666



Protanomaly

13.3036, 7.9001, 55.4673



Deuteranomaly

11.6857, 7.5020, 46.1795



Tritanomaly

14.4387, 8.8801, 24.6199

Monochromacy



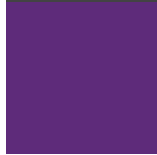
Original Color

23.5089, 10.6725, 66.4666



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.9928, 5.5126, 19.0024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5089, 10.6725, 66.4666 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(141, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 23.5089, 10.6725, 66.4666 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(141, 0, 217) }
```


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

```
.border{ border-color:rgb(141, 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(141, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5089, 10.6725, 66.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 217) }
```

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

```
.background{ background-color: rgb(141, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)