

Converting Colors

XYZ(23.3767, 10.8272, 56.3940)

Have a look what the booklet for
XYZ(23.3767, 10.8272, 56.3940)
contains.

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Color

**XYZ(23.3051, 10.7964,
56.1139)**

Conversions

Conversions Part 1

Format	Color
Hex	9700C9
RGB	151, 0, 201
RGB Percent	59%, 0%, 79%
CMY	0.4078, 1.0000, 0.2118
CMYK	0.25, 1.00, 0.00, 0.21
HSL	285°, 100%, 39%
HSV	285°, 100%, 79%
XYZ	23.3051, 10.7964, 56.1139
YIQ	68.0630, 25.4750, 94.5230

Conversions

Conversions Part 2

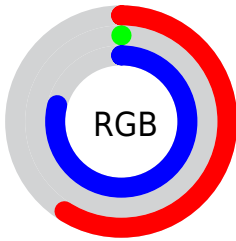
Format	Color
R_{YB}	151, 0, 201
Decimal	9896137
CIE Lab	39.24, 74.87, -65.12
CIE LCh	39, 99.222, 318.984
Yxy	10.7964, 0.2583, 0.1197
Android (android.graphics.Color)	4288086217 (0xFF9700C9)
YUV	68.0630, 65.5379, 72.7357
Hunter-Lab	32.8579, 69.1034, -78.2535

Details

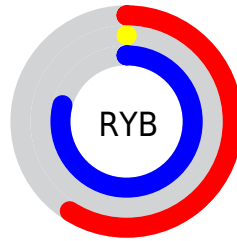
The XYZ color **23.3051, 10.7964, 56.1139** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **22.2026, 42.4518, 7.0241**, and the grayscale version is **5.4011, 5.6824, 6.1881**.

A 20% lighter version of the original color is **47.6456, 26.9562, 97.2996**, and **9.7025, 4.4025, 27.5325** is the 20% darker color. If you saturate the color by 10%, you get **23.3051, 10.7963, 56.1141**, and if you desaturate by 10%, it is **24.5055, 11.7894, 56.2425**.

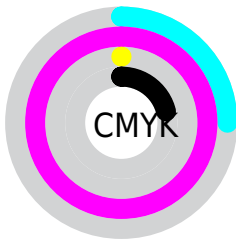
Distribution



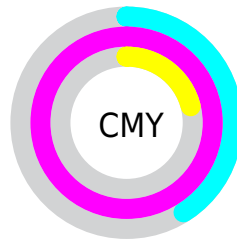
- Red (59%)
- Green (0%)
- Blue (79%)



- Red (59%)
- Yellow (0%)
- Blue (79%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)



- Cyan (41%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3051, 10.7964, 56.1139 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 23.3051, 10.7964, 56.1139 by changing the saturation by 10% instead.

■ 23.3051, 10.7964,
56.1139

■ 23.3051, 10.7964,
56.1139

261.7944,
196.2654, 427.5210

■ 14.9409, 5.9301,
39.8896

■ 48.3568, 27.2831,
100.6585

■ 8.8640, 2.8026,
27.1394

■ 65.7750, 39.6722,
129.8160

■ 4.7089, 1.0296,
17.4446

■ 86.9419, 55.3378,
164.1216

■ 2.1105, 0.0000,
10.3867

■ 112.2228, 74.6641,
203.9940

■ 0.6949, 0.0000,
5.5471

■ 141.9832, 98.0356,
249.8515

■ 0.0000, 0.0000,
2.5074

■ 176.5884,

■ 0.0000, 0.0000,

125.8368, 302.1128

0.8441

216.4036,
158.4519, 361.1965

■ 0.0000, 0.0000,
0.0000

■ 23.3051, 10.7964,
56.1139

■ 23.3051, 10.7964,
56.1139

■ 23.3051, 10.7963,
56.1141

■ 24.5055, 11.7894,
56.2425

■ 26.0069, 13.3261,
56.4600

■ 27.9012, 15.5886,
56.7969

■ 30.2365, 18.6728,
57.2691

■ 33.0540, 22.6600,
57.8902

■ 36.3894, 27.6213,
58.6720

■ 40.2752, 33.6209,
59.6253

■ 44.7409, 40.7172,
60.7596

■ 49.8139, 48.9644,
62.0841

Harmonies

Analogous

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



15.0267, 10.7964, 91.9722



23.3051, 10.7964, 56.1139



28.7090, 10.7964, 20.2667

Triad

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



23.3051, 10.7964, 56.1139



12.9135, 10.7964, 0.0000



2.2827, 10.7964, 28.2173

Complementary

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



23.3051, 10.7964, 56.1139



22.2026, 42.4518, 7.0241

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.



2.1175, 10.7964, 6.0396



23.3051, 10.7964, 56.1139



6.6283, 10.7964, 0.0000

Square

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



23.3051, 10.7964, 56.1139



21.1940, 10.7964, 0.0000



3.3062, 10.7964, 0.1770



3.9348, 10.7964, 66.9849

Rectangle

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



23.3051, 10.7964, 56.1139



28.8661, 10.7964, 6.9004



3.3062, 10.7964, 0.1770



2.0900, 10.7964, 18.4777

Sweetspot

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



23.3057, 10.7968, 56.1142



68.6522, 57.0879, 102.0084



11.6944, 6.5204, 55.9007



14.0640, 11.2384, 21.6779



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.



23.3057, 10.7968, 56.1142



39.6786, 18.3700, 96.0622



29.6534, 14.6441, 30.4366



10.8155, 10.6787, 13.4086



14.7404, 6.8332, 35.2864



0.7611, 0.3561, 1.6738

Inverse Universe

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



24.6635, 12.6481, 4.1599



42.1494, 21.6237, 6.7187



21.4681, 42.0060, 10.0233



10.7403, 10.6795, 11.6157



15.5385, 7.9650, 2.7796



0.7658, 0.3892, 0.2898

Previews

White Background



This preview shows how the XYZ color 23.3051, 10.7964, 56.1139 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 23.3051, 10.7964, 56.1139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

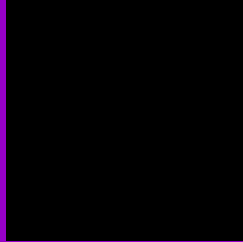
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3051, 10.7964, 56.1139

Background



This preview shows how black text looks on a background with the XYZ color 23.3051, 10.7964, 56.1139.



This preview shows how white text looks on a background with the XYZ color 23.3051, 10.7964,

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

23.3051, 10.7964, 56.1139

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

14.0691, 11.2186, 9.8114

Trichromacy



Original Color

23.3051, 10.7964, 56.1139

Protanomaly

12.9389, 7.7785, 52.4492

Deuteranomaly

11.5364, 7.5528, 44.0298

Tritanomaly

15.7866, 9.3890, 21.0589

Monochromacy



Original Color

23.3051, 10.7964, 56.1139

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.0533, 5.5854, 17.1239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3051, 10.7964, 56.1139 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(151, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 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(151, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 23.3051, 10.7964, 56.1139 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(151, 0, 201) }
```


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

```
.border{ border-color:rgb(151, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(151, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3051, 10.7964, 56.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 201) }
```

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

```
.background{ background-color: rgb(151, 0,  
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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