

Converting Colors

XYZ(23.8123, 11.1862, 50.3387)

Have a look what the booklet for
XYZ(23.8123, 11.1862, 50.3387)
contains.

XYZ(23.7020, 11.1325, 50.1898)	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(23.7020, 11.1325,
50.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	9F00BF
RGB	159, 0, 191
RGB Percent	62%, 0%, 75%
CMY	0.3765, 1.0000, 0.2510
CMYK	0.17, 1.00, 0.00, 0.25
HSL	290°, 100%, 37%
HSV	290°, 100%, 75%
XYZ	23.7020, 11.1325, 50.1898
YIQ	69.3150, 33.4530, 93.1090

Conversions

Conversions Part 2

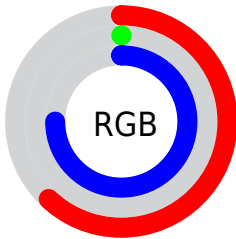
Format	Color
R_{YB}	159, 0, 191
Decimal	10420415
CIE _{Lab}	39.80, 74.19, -58.28
CIE _{LCh}	40, 94.343, 321.846
Yxy	11.1325, 0.2788, 0.1309
Android (android.graphics.Color)	4288610495 (0xFF9F00BF)
YUV	69.3150, 59.9907, 78.6537
Hunter-Lab	33.3654, 68.4128, -65.8310

Details

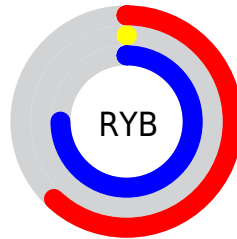
The XYZ color **23.7020, 11.1325, 50.1898** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.2269, 37.5690, 6.2385**, and the grayscale version is **5.6104, 5.9026, 6.4280**.

A 20% lighter version of the original color is **48.9500, 27.8693, 91.6063**, and **9.9234, 4.6024, 23.6579** is the 20% darker color. If you saturate the color by 10%, you get **23.7020, 11.1325, 50.1900**, and if you desaturate by 10%, it is **24.5801, 11.9337, 50.2983**.

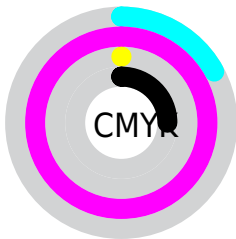
Distribution



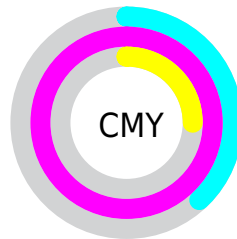
- Red (62%)
- Green (0%)
- Blue (75%)



- Red (62%)
- Yellow (0%)
- Blue (75%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (38%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7020, 11.1325, 50.1898 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 23.7020, 11.1325, 50.1898 by changing the saturation by 10% instead.


 23.7020, 11.1325,
50.1898


 23.7020, 11.1325,
50.1898


263.7789,
198.5743, 404.1640

 15.2362, 6.1560,
35.1920


 49.0017, 27.9049,
91.8552


 9.0728, 2.9402,
23.5261


 66.5663, 40.4697,
119.3599

 4.8462, 1.1006,
14.7735


 87.8947, 56.3326,
151.8707

 2.1911, 0.0000,
8.5157

 113.3520, 75.8782,
189.8060

 0.7380, 0.0000,
4.3342

 143.3038, 99.4907,
233.5845

 0.0000, 0.0000,
1.8104

 178.1153,

 0.0000, 0.0000,

127.5547, 283.6246

0.4348

218.1519,
160.4544, 340.3449

■ 0.0000, 0.0000,
0.0000

■ 23.7020, 11.1325,
50.1898

■ 23.7020, 11.1325,
50.1898

■ 23.7020, 11.1325,
50.1900

■ 24.5801, 11.9337,
50.2983

■ 25.7047, 13.2039,
50.4843

■ 27.1595, 15.1098,
50.7755

■ 28.9867, 17.7357,
51.1860

■ 31.2221, 21.1527,
51.7277

■ 33.8971, 25.4236,
52.4111

■ 37.0398, 30.6047,
53.2455

■ 40.6762, 36.7474,
54.2395

■ 44.8301, 43.8994,
55.4011

Harmonies

Analogous

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



15.9233, 11.1325, 84.4824



23.7020, 11.1325, 50.1898



28.3107, 11.1325, 17.9152

Triad

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



23.7020, 11.1325, 50.1898



12.4472, 11.1325, 0.0000



2.7212, 11.1325, 30.8205

Complementary

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



23.7020, 11.1325, 50.1898



19.2269, 37.5690, 6.2385

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.



2.4222, 11.1325, 7.7345



23.7020, 11.1325, 50.1898



6.5914, 11.1325, 0.0000

Square

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



23.7020, 11.1325, 50.1898



20.2874, 11.1325, 0.0000



3.4997, 11.1325, 0.7230



4.6025, 11.1325, 67.3392

Rectangle

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



23.7020, 11.1325, 50.1898



28.0431, 11.1325, 6.1762



3.4997, 11.1325, 0.7230



2.4747, 11.1325, 21.0134

Sweetspot

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



23.7025, 11.1330, 50.1900



66.0477, 54.3279, 95.2844



10.0060, 4.9653, 49.7215



13.9566, 11.0226, 20.7773



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7025, 11.1330, 50.1900



42.2707, 19.8457, 89.8818



25.5504, 12.7024, 22.4079



9.7688, 9.6132, 12.0129



15.6352, 7.3463, 32.9868



0.6548, 0.3096, 1.2941

Inverse Universe

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



21.7469, 11.1810, 2.3792



38.8893, 20.0010, 3.9494



19.4597, 37.5933, 10.5740



9.5936, 9.5618, 10.2492



14.3122, 7.3560, 1.6717



0.5812, 0.2964, 0.1738

Previews

White Background



This preview shows how the XYZ color 23.7020, 11.1325, 50.1898 looks on a white background.

Color Contrast Check

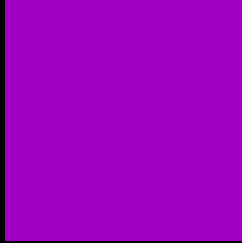
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7020, 11.1325, 50.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

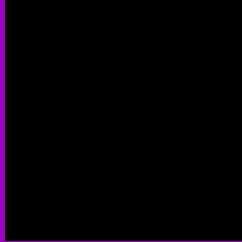
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7020, 11.1325, 50.1898

Background



This preview shows how black text looks on a background with the XYZ color 23.7020, 11.1325, 50.1898.



This preview shows how white text looks on a background with the XYZ color 23.7020, 11.1325,

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

23.7020, 11.1325, 50.1898

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

11.8141, 11.7139, 40.6681



Tritanopia

15.4656, 11.5406, 9.0019

Trichromacy



Original Color

23.7020, 11.1325, 50.1898



Protanomaly

13.0465, 7.9225, 51.8805



Deuteranomaly

11.6042, 7.5995, 43.5031



Tritanomaly

16.8415, 9.8595, 18.7847

Monochromacy



Original Color

23.7020, 11.1325, 50.1898



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3608, 5.8184, 16.2525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7020, 11.1325, 50.1898 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(159, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 191)  
}
```

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(159, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.7020, 11.1325, 50.1898 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(159, 0, 191) }
```


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

```
.border{ border-color:rgb(159, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7020, 11.1325, 50.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 191) }
```

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

```
.background{ background-color: rgb(159, 0,  
191) }
```

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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