

Converting Colors

XYZ(22.6578, 11.2658, 19.7969)

Have a look what the booklet for
XYZ(22.6578, 11.2658, 19.7969)
contains.

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Color

**XYZ(22.6312, 11.2538,
19.7183)**

Conversions

Conversions Part 1

Format	Color
Hex	B5007B
RGB	181, 0, 123
RGB Percent	71%, 0%, 48%
CMY	0.2902, 0.9999, 0.5176
CMYK	0.00, 1.00, 0.32, 0.29
HSL	319°, 100%, 35%
HSV	319°, 100%, 71%
XYZ	22.6312, 11.2538, 19.7183
YIQ	68.1410, 68.3930, 76.6250

Conversions

Conversions Part 2

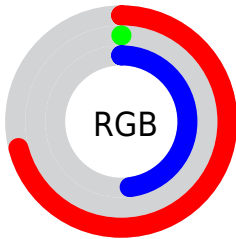
Format	Color
RYB	181, 0, 123
Decimal	11862139
CIELab	40.00, 68.50, -16.59
CIElCh	40, 70.485, 346.384
Yxy	11.2538, 0.4222, 0.2099
Android (android.graphics.Color)	4290052219 (0xFFB5007B)
YUV	68.1410, 27.0455, 98.9773
Hunter-Lab	33.5467, 61.7126, -11.3672

Details

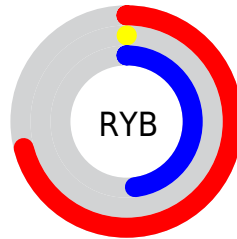
The XYZ color **22.6312, 11.2538, 19.7183** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.2886, 33.3537, 9.5333**, and the grayscale version is **5.4697, 5.7545, 6.2667**.

A 20% lighter version of the original color is **47.2824, 28.1760, 44.0207**, and **9.4044, 4.7054, 6.8911** is the 20% darker color. If you saturate the color by 10%, you get **22.6307, 11.2536, 19.7155**, and if you desaturate by 10%, it is **23.2237, 11.8402, 21.7610**.

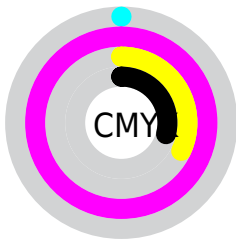
Distribution



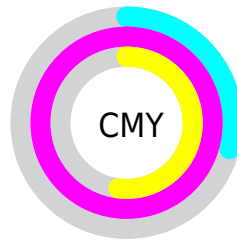
- Red (71%)
- Green (0%)
- Blue (48%)



- Red (71%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6312, 11.2538, 19.7183 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 22.6312, 11.2538, 19.7183 by changing the saturation by 10% instead.


 22.6312, 11.2538,
19.7183


 22.6312, 11.2538,
19.7183


258.3959,
199.4006, 262.9396


 14.4406, 6.2378,
12.0084


 47.2582, 28.1285,
43.7971


 8.5115, 2.9902,
6.6268


 64.4253, 40.7561,
61.0031


 4.4785, 1.1266,
3.1549

 85.3153, 56.6896,
82.2116

 1.9762, 0.0005,
1.1743

 110.2935, 76.3135,
107.8411

 0.6206, 0.0000,
0.0000

 139.7253,
100.0121, 138.3100

 0.0000, 0.0000,
0.0000

 173.9761,

128.1699, 174.0371

213.4112,
161.1713, 215.4408

■ 22.6312, 11.2538,
19.7183

■ 22.6312, 11.2538,
19.7183

■ 22.6307, 11.2536,
19.7155

■ 23.2237, 11.8402,
21.7610

■ 24.0391, 12.8374,
23.9859

■ 25.1539, 14.3980,
26.4203

■ 26.6053, 16.5956,
29.0783

■ 28.4247, 19.4925,
31.9720

■ 30.6398, 23.1436,
35.1122

■ 33.2756, 27.5982,
38.5090

■ 36.3548, 32.9016,
42.1713

■ 39.8986, 39.0956,
46.1079

Harmonies

Analogous

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



19.0147, 11.2538, 41.6494



22.6312, 11.2538, 19.7183



22.4387, 11.2538, 6.1360

Triad

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



22.6312, 11.2538, 19.7183



8.2652, 11.2538, 0.0944



5.4475, 11.2538, 43.7557

Complementary

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



22.6312, 11.2538, 19.7183



17.2886, 33.3537, 9.5333

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.



3.9903, 11.2538, 21.4879



22.6312, 11.2538, 19.7183



5.2460, 11.2538, 1.4993

Square

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



22.6312, 11.2538, 19.7183



13.0572, 11.2538, 0.0328



3.9299, 11.2538, 6.9598



8.6388, 11.2538, 61.2104

Rectangle

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



22.6312, 11.2538, 19.7183



20.1515, 11.2538, 2.2335



3.9299, 11.2538, 6.9598



4.7875, 11.2538, 36.0582

Sweetspot

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



22.6315, 11.2544, 19.7185



59.3331, 48.9796, 68.6433



10.0473, 4.2165, 44.0005



12.3843, 9.8394, 14.2810



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.6315, 11.2544, 19.7185



40.4230, 20.1117, 34.7407



19.3338, 9.9353, 2.3527



8.7318, 8.5995, 10.0863



15.6338, 7.7711, 13.7634



0.5171, 0.2546, 0.5657

Inverse Universe

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



22.6315, 11.2544, 19.7185



40.4230, 20.1117, 34.7407



21.8554, 35.1805, 33.5817



8.7318, 8.5995, 10.0863



15.6338, 7.7711, 13.7634



0.5171, 0.2546, 0.5657

Previews

White Background



This preview shows how the XYZ color 22.6312, 11.2538, 19.7183 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

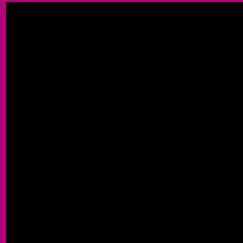
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6312, 11.2538, 19.7183

Background



This preview shows how black text looks on a background with the XYZ color 22.6312, 11.2538, 19.7183.



This preview shows how white text looks on a background with the XYZ color 22.6312, 11.2538,

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

22.6312, 11.2538, 19.7183

Protanopia

13.5265, 12.0099, 42.6795

Deuteranopia

12.1165, 11.9636, 17.8903



Tritanopia

19.6003, 11.6657, 4.3506

Trichromacy



Original Color

22.6312, 11.2538, 19.7183



Protanomaly

13.1812, 8.4908, 32.8425



Deuteranomaly

13.7880, 9.1289, 18.1749



Tritanomaly

20.1896, 10.9808, 8.0766

Monochromacy



Original Color

22.6312, 11.2538, 19.7183



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9320, 5.6835, 9.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6312, 11.2538, 19.7183 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(181, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 123)  
}
```

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(181, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 22.6312, 11.2538, 19.7183 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(181, 0, 123) }
```


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

```
.border{ border-color:rgb(181, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6312, 11.2538, 19.7183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 123) }
```

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

```
.background{ background-color: rgb(181, 0,  
123) }
```

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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