

Converting Colors

XYZ(23.1558, 12.1257, 23.0873)

Have a look what the booklet for
XYZ(23.1558, 12.1257, 23.0873)
contains.

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Color

**XYZ(23.2195, 12.1782,
22.9566)**

Conversions

Conversions Part 1

Format	Color
Hex	B31E84
RGB	179, 30, 132
RGB Percent	70%, 12%, 52%
CMY	0.2980, 0.8823, 0.4824
CMYK	0.00, 0.83, 0.26, 0.30
HSL	319°, 71%, 41%
HSV	319°, 83%, 70%
XYZ	23.2195, 12.1782, 22.9566
YIQ	86.1790, 56.0620, 63.3100

Conversions

Conversions Part 2

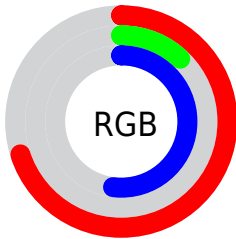
Format	Color
R_{YB}	179, 30, 132
Decimal	11738756
CIE _{Lab}	41.50, 64.73, -19.90
CIE _{LCh}	41, 67.720, 342.909
Yxy	12.1782, 0.3979, 0.2087
Android (android.graphics.Color)	4289928836 (0xFFB31E84)
YUV	86.1790, 22.5898, 81.4040
Hunter-Lab	34.8973, 57.6978, -14.5749

Details

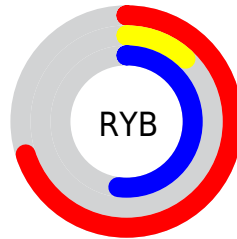
The XYZ color **23.2195, 12.1782, 22.9566** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.9959, 33.0524, 12.4548**, and the grayscale version is **8.8299, 9.2897, 10.1165**.

A 20% lighter version of the original color is **48.0196, 29.6853, 49.0979**, and **9.4081, 4.6741, 8.3890** is the 20% darker color. If you saturate the color by 10%, you get **22.5120, 11.3649, 20.8656**, and if you desaturate by 10%, it is **24.2057, 13.5152, 25.2439**.

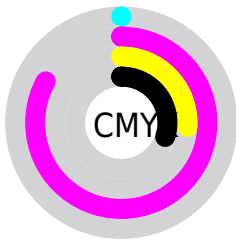
Distribution



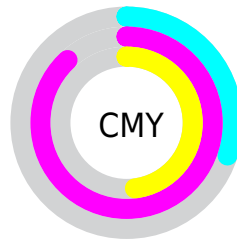
- Red (70%)
- Green (12%)
- Blue (52%)



- Red (70%)
- Yellow (12%)
- Blue (52%)



- Cyan (0%)
- Magenta (83%)
- Yellow (26%)
- Black (30%)



- Cyan (30%)
- Magenta (88%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2195, 12.1782, 22.9566 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 23.2195, 12.1782, 22.9566 by changing the saturation by 10% instead.

■ 23.2195, 12.1782,
22.9566

■ 23.2195, 12.1782,
22.9566

261.3647,
205.5815, 280.6167

■ 14.8773, 6.8652,
14.3565

■ 48.2175, 29.8192,
49.2443

■ 8.8190, 3.3779,
8.2274

■ 65.6040, 42.9160,
67.7690

■ 4.6795, 1.3321,
4.1510

■ 86.7359, 59.3762,
90.4390

■ 2.0933, 0.1658,
1.7085

■ 111.9786, 79.5841,
117.6728

■ 0.6856, 0.0000,
0.3666

■ 141.6975,
103.9242, 149.8889

■ 0.0000, 0.0000,
0.0000

■ 176.2579,

132.7809, 187.5059

216.0252,
166.5385, 230.9423

■ 23.2195, 12.1782,
22.9566

■ 23.2195, 12.1782,
22.9566

■ 22.5120, 11.3649,
20.8656

■ 24.2057, 13.5152,
25.2439

■ 22.1364, 11.0021,
19.5427

■ 25.5079, 15.4504,
27.7412

■ 27.1586, 18.0479,
30.4611

■ 29.1856, 21.3632,
33.4142

■ 31.6141, 25.4460,
36.6105

■ 34.4669, 30.3414,
40.0590

■ 37.7650, 36.0910,
43.7681

■ 41.5280, 42.7338,
47.7458

■ 45.7744, 50.3059,
51.9996

Harmonies

Analogous

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



19.3115, 12.1782, 44.7825



23.2195, 12.1782, 22.9566



23.5057, 12.1782, 8.0684

Triad

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



23.2195, 12.1782, 22.9566



9.5820, 12.1782, 0.3873



5.9234, 12.1782, 41.7003

Complementary

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



23.2195, 12.1782, 22.9566



17.9959, 33.0524, 12.4548

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.



4.5709, 12.1782, 20.3047



23.2195, 12.1782, 22.9566



6.2422, 12.1782, 1.6542

Square

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



23.2195, 12.1782, 22.9566



14.5934, 12.1782, 0.4767



4.6681, 12.1782, 6.7699



9.0044, 12.1782, 59.8856

Rectangle

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



23.2195, 12.1782, 22.9566



21.5080, 12.1782, 3.2976



4.6681, 12.1782, 6.7699



5.2968, 12.1782, 34.1817

Sweetspot

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



23.2199, 12.1788, 22.9568



60.5438, 52.2930, 70.3531



11.4802, 5.6680, 43.1368



13.0140, 10.8987, 15.1077



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.



23.2199, 12.1788, 22.9568



39.5397, 19.6621, 34.4426



19.8656, 10.8371, 5.2934



8.7337, 8.6002, 10.0959



15.6730, 7.7868, 13.9701



0.5181, 0.2550, 0.5711

Inverse Universe

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



23.2199, 12.1788, 22.9568



39.5397, 19.6621, 34.4426



22.0969, 34.6928, 34.0504



8.7337, 8.6002, 10.0959



15.6730, 7.7868, 13.9701



0.5181, 0.2550, 0.5711

Previews

White Background



This preview shows how the XYZ color 23.2195, 12.1782, 22.9566 looks on a white background.

Color Contrast Check

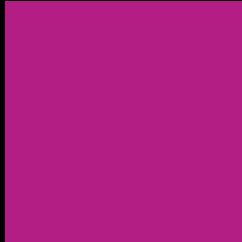
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2195, 12.1782, 22.9566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

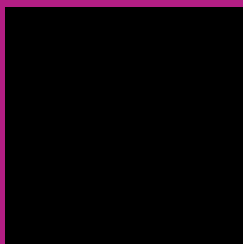
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2195, 12.1782, 22.9566

Background



This preview shows how black text looks on a background with the XYZ color 23.2195, 12.1782, 22.9566.



This preview shows how white text looks on a background with the XYZ color 23.2195, 12.1782,

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

23.2195, 12.1782, 22.9566

Protanopia

14.2107, 12.5718, 45.3937

Deuteranopia

12.7367, 12.4914, 20.8086



Tritanopia

19.8109, 12.3617, 5.7568

Trichromacy



Original Color

23.2195, 12.1782, 22.9566

Protanomaly

14.2951, 10.0458, 35.8359

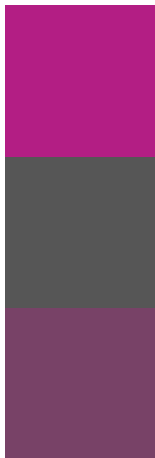
Deuteranomaly

14.8175, 10.7330, 21.3694

Tritanomaly

20.6817, 12.0321, 10.2492

Monochromacy



Original Color

23.2195, 12.1782, 22.9566

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

12.1421, 8.8688, 13.9038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2195, 12.1782, 22.9566 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(179, 30, 132)` looks like.

```
.text, #text, p{  
    color:rgb(179, 30, 132)  
}
```

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(179, 30, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 30, 132) }
```

Border

The CSS property to change the border of an element to XYZ 23.2195, 12.1782, 22.9566 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(179, 30, 132) }
```


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

```
.border{ border-color:rgb(179, 30, 132) }
```

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

Here you see how a box with a 4 pixel rgb(179, 30, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 30, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 30, 132);  
box-shadow:4px 4px 4px 4px rgb(179, 30,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2195, 12.1782, 22.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 30, 132) }
```

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

```
.background{ background-color: rgb(179, 30,  
132) }
```

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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