

Converting Colors

XYZ(21.2075, 12.3158, 18.1008)

Have a look what the booklet for
XYZ(21.2075, 12.3158, 18.1008)
contains.

XYZ(21.1893, 12.3099, 18.0889)	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(21.1893, 12.3099,
18.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3375
RGB	171, 51, 117
RGB Percent	67%, 20%, 46%
CMY	0.3294, 0.8000, 0.5412
CMYK	0.00, 0.70, 0.32, 0.33
HSL	327°, 54%, 44%
HSV	327°, 70%, 67%
XYZ	21.1893, 12.3099, 18.0889
YIQ	94.4040, 50.3340, 45.9660

Conversions

Conversions Part 2

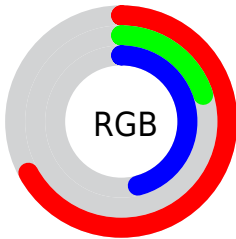
Format	Color
RYB	171, 51, 117
Decimal	11219829
CIELab	41.70, 54.45, -10.46
CIELCh	42, 55.445, 349.130
Yxy	12.3099, 0.4107, 0.2386
Android (android.graphics.Color)	4289409909 (0xFFAB3375)
YUV	94.4040, 11.1398, 67.1747
Hunter-Lab	35.0855, 46.4026, -6.0081

Details

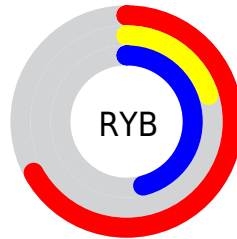
The XYZ color **21.1893, 12.3099, 18.0889** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.4787, 30.8499, 18.3470**, and the grayscale version is **10.7017, 11.2590, 12.2611**.

A 20% lighter version of the original color is **45.0523, 30.2030, 40.9914**, and **8.0136, 4.0071, 5.9813** is the 20% darker color. If you saturate the color by 10%, you get **20.1408, 10.9074, 15.5981**, and if you desaturate by 10%, it is **22.5505, 14.2780, 20.8677**.

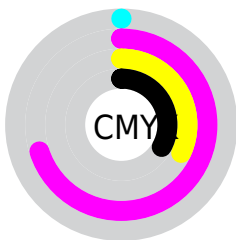
Distribution



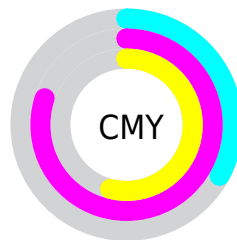
- Red (67%)
- Green (20%)
- Blue (46%)



- Red (67%)
- Yellow (20%)
- Blue (46%)



- Cyan (0%)
- Magenta (70%)
- Yellow (32%)
- Black (33%)





- Cyan (33%)
- Magenta (80%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1893, 12.3099, 18.0889 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 21.1893, 12.3099, 18.0889 by changing the saturation by 10% instead.


 21.1893, 12.3099,
18.0889


 21.1893, 12.3099,
18.0889


250.9955,
206.4462, 253.6246


 13.3757, 6.9551,
10.8437


 44.8913, 30.0583,
41.0047


 7.7665, 3.4340,
5.8490


 61.5104, 43.2207,
57.5125


 3.9965, 1.3623,
2.6862

 81.7953, 59.7543,
77.9448

 1.7001, 0.1887,
0.9365

 106.1115, 80.0437,
102.7203

 0.4564, 0.0000,
0.0000

 134.8242,
104.4732, 132.2575

 0.0000, 0.0000,
0.0000

 168.2989,

133.4272, 166.9749

206.9009,
167.2901, 207.2911

■ 21.1893, 12.3099,
18.0889

■ 21.1893, 12.3099,
18.0889

■ 20.1408, 10.9074,
15.5981

■ 22.5505, 14.2780,
20.8677

■ 19.3711, 10.0045,
13.3792

■ 24.2511, 16.8642,
23.9474

■ 18.8171, 9.4669,
11.4361

■ 26.3162, 20.1171,
27.3404

■ 28.7680, 24.0798,
31.0582

■ 31.6269, 28.7920,
35.1115

■ 34.9118, 34.2901,
39.5102

■ 38.6403, 40.6084,
44.2639

■ 42.8292, 47.7789,
49.3817

■ 47.4942, 55.8322,
54.8723

Harmonies

Analogous

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



18.6705, 12.3099, 34.0635



21.1893, 12.3099, 18.0889



20.7588, 12.3099, 7.3192

Triad

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



21.1893, 12.3099, 18.0889



9.3187, 12.3099, 1.4227



7.2908, 12.3099, 38.4934

Complementary

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



21.1893, 12.3099, 18.0889



18.4787, 30.8499, 18.3470

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.



5.7554, 12.3099, 22.1700



21.1893, 12.3099, 18.0889



6.7247, 12.3099, 3.4374

Square

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



21.1893, 12.3099, 18.0889



13.2386, 12.3099, 1.2435



5.5755, 12.3099, 9.6061



10.2858, 12.3099, 49.6517

Rectangle

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



21.1893, 12.3099, 18.0889



18.8799, 12.3099, 3.6521



5.5755, 12.3099, 9.6061



6.6196, 12.3099, 33.1021

Sweetspot

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



21.1897, 12.3106, 18.0891



55.9882, 50.4794, 61.9795



14.3610, 8.3120, 39.3757



12.1694, 10.7338, 13.3799



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.1897, 12.3106, 18.0891



35.2805, 18.5720, 25.7649



18.7174, 11.3217, 5.0705



8.1826, 8.0863, 9.2724



14.2121, 7.1474, 8.7624



0.4224, 0.2097, 0.3863

Inverse Universe

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



21.1897, 12.3106, 18.0891



35.2805, 18.5720, 25.7649



22.7201, 32.5465, 40.6822



8.1826, 8.0863, 9.2724



14.2121, 7.1474, 8.7624



0.4224, 0.2097, 0.3863

Previews

White Background



This preview shows how the XYZ color 21.1893, 12.3099, 18.0889 looks on a white background.

Color Contrast Check

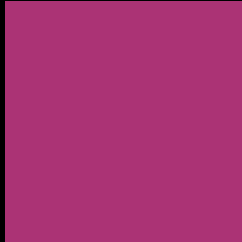
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1893, 12.3099, 18.0889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

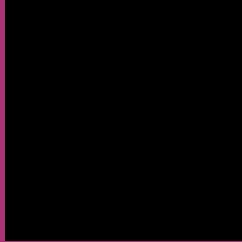
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1893, 12.3099, 18.0889

Background



This preview shows how black text looks on a background with the XYZ color 21.1893, 12.3099, 18.0889.



This preview shows how white text looks on a background with the XYZ color 21.1893, 12.3099,

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

21.1893, 12.3099, 18.0889

Protanopia

13.2660, 12.6867, 30.6037

Deuteranopia

12.8529, 12.6401, 16.8013



Tritanopia

18.8131, 12.2996, 6.8513

Trichromacy



Original Color

21.1893, 12.3099, 18.0889

Protanomaly

14.4693, 11.2972, 25.4627

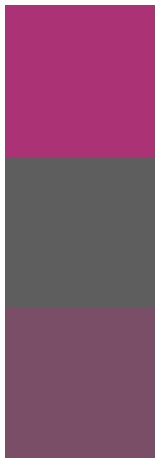
Deuteranomaly

14.7514, 11.5188, 17.0686

Tritanomaly

19.3921, 12.1246, 10.1223

Monochromacy



Original Color

21.1893, 12.3099, 18.0889

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.1487, 10.5457, 13.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1893, 12.3099, 18.0889 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(171, 51, 117)` looks like.

```
.text, #text, p{  
    color:rgb(171, 51, 117)  
}
```

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(171, 51, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 51, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.1893, 12.3099, 18.0889 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(171, 51, 117) }
```


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

```
.border{ border-color:rgb(171, 51, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 51, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 51, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 51, 117); box-shadow:4px 4px 4px 4px rgb(171, 51, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1893, 12.3099, 18.0889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 51, 117) }
```

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

```
.background{ background-color: rgb(171, 51,  
117) }
```

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