

Converting Colors

XYZ(38.9548, 19.6222, 22.5935)

Have a look what the booklet for
XYZ(38.9548, 19.6222, 22.5935)
contains.

| | |
|--|----|
| XYZ(38.8875, 19.5895, 22.5004) | 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(38.8875, 19.5895,
22.5004)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | ED0081 |
| RGB | 237, 0, 129 |
| RGB Percent | 93%, 0%, 51% |
| CMY | 0.0706, 0.9998, 0.4941 |
| CMYK | 0.00, 1.00, 0.46, 0.07 |
| HSL | 327°, 100%, 46% |
| HSV | 327°, 100%, 93% |
| XYZ | 38.8875, 19.5895, 22.5004 |
| YIQ | 85.5690, 99.8430, 90.3630 |

Conversions

Conversions Part 2

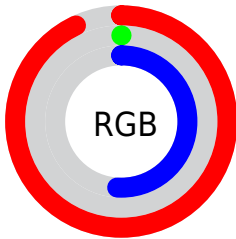
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 237, 0, 129 |
| Decimal | 15532161 |
| CIE Lab | 51.37, 80.80, -2.09 |
| CIE LCh | 51, 80.828, 358.520 |
| Yxy | 19.5895, 0.4802, 0.2419 |
| Android (android.graphics.Color) | 4293722241 (0xFFED0081) |
| YUV | 85.5690, 21.4115, 132.8050 |
| Hunter-Lab | 44.2600, 79.3776, 0.8409 |

Details

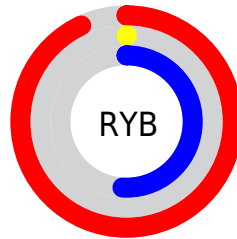
The XYZ color **38.8875, 19.5895, 22.5004** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.9945, 61.6525, 24.3636**, and the grayscale version is **8.7021, 9.1552, 9.9701**.

A 20% lighter version of the original color is **53.8664, 33.0031, 47.7871**, and **18.9035, 9.5779, 8.4418** is the 20% darker color. If you saturate the color by 10%, you get **38.8858, 19.5888, 22.4918**, and if you desaturate by 10%, it is **39.9657, 20.5353, 26.5920**.

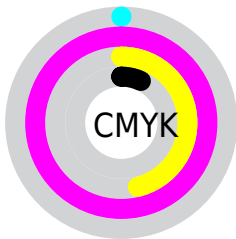
Distribution



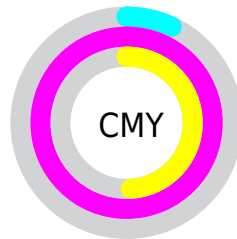
- Red (93%)
- Green (0%)
- Blue (51%)



- Red (93%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8875, 19.5895, 22.5004 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 38.8875, 19.5895, 22.5004 by changing the saturation by 10% instead.


 38.8875, 19.5895,
22.5004


 38.8875, 19.5895,
22.5004


332.6274,
249.6841, 278.1867


 26.8526, 12.0970,
14.0232


 72.7616, 42.7279,
48.4844


 17.5985, 6.8098,
7.9979


 95.3315, 59.1425,
66.8283


 10.7601, 3.3434,
4.0058


 122.1437, 79.3000,
89.2983

 5.9718, 1.3135,
1.6285

 153.5636,
103.5848, 116.3127

 2.8685, 0.1517,
0.3111

 189.9565,
132.3812, 148.2903

 1.0846, 0.0000,
0.0000

 231.6879,

 0.0122, 0.0000,

166.0736, 185.6494

0.0000

279.1231,
205.0464, 228.8087

■ 0.0000, 0.0000,
0.0000

■ 38.8875, 19.5895,
22.5004

■ 38.8875, 19.5895,
22.5004

■ 38.8858, 19.5888,
22.4918

■ 39.9657, 20.5353,
26.5920

■ 41.5136, 22.2956,
31.2258

■ 43.6571, 25.1182,
36.4543

■ 46.4707, 29.1493,
42.3126

■ 50.0174, 34.5117,
48.8317

■ 54.3527, 41.3130,
56.0395

■ 59.5262, 49.6496,
63.9616

■ 65.5834, 59.6097,
72.6223

■ 72.5664, 71.2746,
82.0441

Harmonies

Analogous

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



35.2752, 19.5895, 54.0545



38.8875, 19.5895, 22.5004



35.8935, 19.5895, 6.3508

Triad

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



38.8875, 19.5895, 22.5004



12.1386, 19.5895, 1.2515



11.6232, 19.5895, 86.2968

Complementary

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



38.8875, 19.5895, 22.5004



32.9945, 61.6525, 24.3636

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.



8.0269, 19.5895, 50.4360



38.8875, 19.5895, 22.5004



8.2583, 19.5895, 5.5034

Square

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



38.8875, 19.5895, 22.5004



19.0237, 19.5895, 0.5431



7.0004, 19.5895, 20.2002



18.2206, 19.5895, 103.9859

Rectangle

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



38.8875, 19.5895, 22.5004



30.9326, 19.5895, 2.3393



7.0004, 19.5895, 20.2002



10.1031, 19.5895, 75.1023

Sweetspot

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



38.8880, 19.5907, 22.5007



70.1957, 58.4744, 75.3884



21.3116, 9.2216, 80.7773



14.4460, 11.5776, 15.2673



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.



38.8880, 19.5907, 22.5007



45.8835, 23.1174, 26.3823



34.9913, 18.0320, 1.9810



15.4084, 15.1912, 17.4357



21.2974, 10.7216, 12.6333



1.7208, 0.8613, 1.2472

Inverse Universe

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



38.8880, 19.5907, 22.5007



45.8835, 23.1174, 26.3823



43.8962, 66.0132, 81.7715



15.4084, 15.1912, 17.4357



21.2974, 10.7216, 12.6333



1.7208, 0.8613, 1.2472

Previews

White Background



This preview shows how the XYZ color 38.8875, 19.5895, 22.5004 looks on a white background.

Color Contrast Check

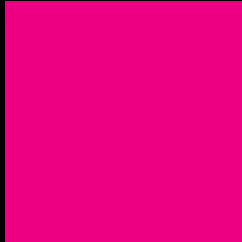
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.8875, 19.5895, 22.5004 looks on a black 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

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

XYZ 38.8875, 19.5895, 22.5004

Background



This preview shows how black text looks on a background with the XYZ color 38.8875, 19.5895, 22.5004.



This preview shows how white text looks on a background with the XYZ color 38.8875, 19.5895,

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

38.8875, 19.5895, 22.5004

Protanopia

21.3019, 20.2890, 49.2478

Deuteranopia

20.5275, 20.1681, 20.2637



Tritanopia

35.4079, 19.9392, 5.2313

Trichromacy



Original Color

38.8875, 19.5895, 22.5004



Protanomaly

22.2784, 14.7447, 37.2691



Deuteranomaly

23.6152, 15.5976, 20.5049



Tritanomaly

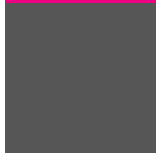
35.8962, 19.1046, 9.3850

Monochromacy



Original Color

38.8875, 19.5895, 22.5004



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7490, 9.3544, 13.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8875, 19.5895, 22.5004 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(237, 0, 129)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 129)  
}
```

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(237, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 129) }
```

Border

The CSS property to change the border of an element to XYZ 38.8875, 19.5895, 22.5004 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(237, 0, 129) }
```


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

```
.border{ border-color:rgb(237, 0, 129) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8875, 19.5895, 22.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 129) }
```

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

```
.background{ background-color: rgb(237, 0,  
129) }
```

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