

Converting Colors

XYZ(38.3551, 21.2303, 22.6839)

Have a look what the booklet for
XYZ(38.3551, 21.2303, 22.6839)
contains.

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Color

**XYZ(38.5143, 21.2870,
22.8478)**

Conversions

Conversions Part 1

Format	Color
Hex	E83581
RGB	232, 53, 129
RGB Percent	91%, 21%, 51%
CMY	0.0902, 0.7921, 0.4941
CMYK	0.00, 0.77, 0.44, 0.09
HSL	335°, 80%, 56%
HSV	335°, 77%, 91%
XYZ	38.5143, 21.2870, 22.8478
YIQ	115.1850, 82.2880, 61.5840

Conversions

Conversions Part 2

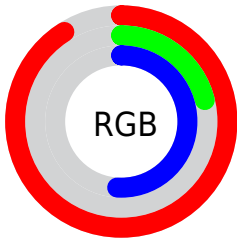
Format	Color
R_{YB}	232, 53, 129
Decimal	15218049
CIE _{Lab}	53.26, 71.45, 0.57
CIE _{LCh}	53, 71.455, 0.457
Yxy	21.2870, 0.4660, 0.2576
Android (android.graphics.Color)	4293408129 (0xFFE83581)
YUV	115.1850, 6.8108, 102.4468
Hunter-Lab	46.1378, 68.2645, 2.9356

Details

The XYZ color **38.5143, 21.2870, 22.8478** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **36.3273, 60.8711, 41.2928**, and the grayscale version is **16.3161, 17.1658, 18.6935**.

A 20% lighter version of the original color is **55.9289, 37.1282, 48.4746**, and **18.2426, 9.2371, 8.4109** is the 20% darker color. If you saturate the color by 10%, you get **36.8703, 19.3277, 18.2038**, and if you desaturate by 10%, it is **40.7867, 24.3177, 28.2737**.

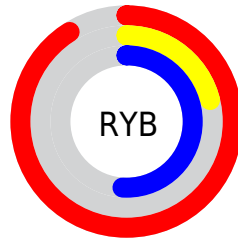
Distribution



Red (91%)

Green (21%)

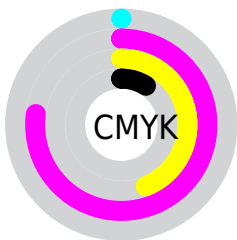
Blue (51%)



Red (91%)

Yellow (21%)

Blue (51%)

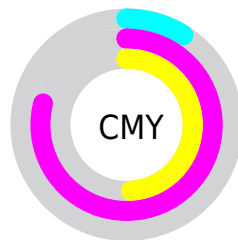


Cyan (0%)

Magenta (77%)

Yellow (44%)

Black (9%)



Cyan (9%)


Magenta (79%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5143, 21.2870, 22.8478 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 38.5143, 21.2870, 22.8478 by changing the saturation by 10% instead.


 38.5143, 21.2870,
22.8478


 38.5143, 21.2870,
22.8478


331.0639,
258.7998, 280.0388

 26.5611, 13.3340,
14.2769


 72.1946, 45.5647,
49.0633


 17.3788, 7.6589,
8.1726


 94.6524, 62.6581,
67.5450

 10.6019, 3.8775,
4.1162


 121.3424, 83.5671,
90.1674

 5.8651, 1.6053,
1.6893

 152.6301,
108.6761, 117.3491

 2.8031, 0.3611,
0.3534

 188.8807,
138.3695, 149.5085

 1.0505, 0.0000,
0.0000

230.4596,

 0.0000, 0.0000,

173.0317, 187.0643

0.0000

277.7323,
213.0470, 230.4348

■ 38.5143, 21.2870,
22.8478

■ 38.5143, 21.2870,
22.8478

■ 36.8703, 19.3277,
18.2038

■ 40.7867, 24.3177,
28.2737

■ 35.7636, 18.2646,
14.2888


■ 43.7553, 28.5482,
34.5245

■ 35.5067, 18.0470,
13.2898


■ 47.4801, 34.0925,
41.6400


■ 52.0140, 41.0501,
49.6567

■ 57.4049, 49.5110,
58.6087

 63.6967, 59.5574,
68.5279

 70.9304, 71.2658,
79.4446

 79.1442, 84.7074,
91.3877

 86.1620, 95.5251,
103.6473

Harmonies

Analogous

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



35.6860, 21.2870, 50.3414



38.5143, 21.2870, 22.8478



35.5172, 21.2870, 7.8380

Triad

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



38.5143, 21.2870, 22.8478



13.7260, 21.2870, 2.6312



13.8814, 21.2870, 81.4875

Complementary

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



38.5143, 21.2870, 22.8478



36.3273, 60.8711, 41.2928

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.



10.1156, 21.2870, 51.3111



38.5143, 21.2870, 22.8478



10.0428, 21.2870, 8.1202

Square

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



38.5143, 21.2870, 22.8478



20.1171, 21.2870, 1.5019



8.9049, 21.2870, 23.5112



20.3487, 21.2870, 94.6424

Rectangle

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



38.5143, 21.2870, 22.8478



30.9629, 21.2870, 3.6209



8.9049, 21.2870, 23.5112



12.3212, 21.2870, 72.3443

Sweetspot

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



38.5149, 21.2882, 22.8481



74.1434, 66.1317, 77.4378



29.2493, 15.2868, 77.7529



15.2884, 13.2308, 15.6458



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.



38.5149, 21.2882, 22.8481



44.7555, 23.0084, 19.3873



35.8088, 21.1873, 5.5720



14.6296, 14.4690, 16.2500



19.7719, 10.0430, 7.6940



1.5067, 0.7604, 0.8089

Inverse Universe

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



38.5149, 21.2882, 22.8481



44.7555, 23.0084, 19.3873



41.6453, 57.8053, 85.3065



14.6296, 14.4690, 16.2500



19.7719, 10.0430, 7.6940



1.5067, 0.7604, 0.8089

Previews

White Background



This preview shows how the XYZ color 38.5143, 21.2870, 22.8478 looks on a white background.

Color Contrast Check

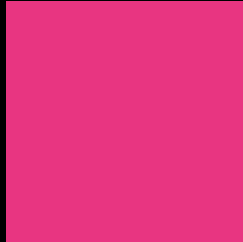
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5143, 21.2870, 22.8478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

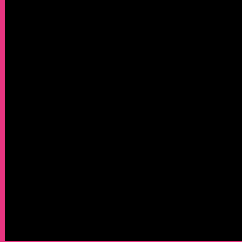
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5143, 21.2870, 22.8478

Background



This preview shows how black text looks on a background with the XYZ color 38.5143, 21.2870, 22.8478.



This preview shows how white text looks on a background with the XYZ color 38.5143, 21.2870,

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

38.5143, 21.2870, 22.8478

Protanopia

21.9431, 21.5162, 42.5317

Deuteranopia

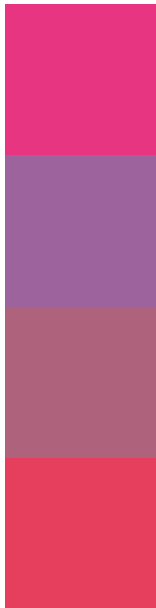
21.8008, 21.3616, 20.7435



Tritanopia

35.6109, 21.3821, 8.3812

Trichromacy



Original Color

38.5143, 21.2870, 22.8478

Protanomaly

24.4523, 18.5261, 34.1854

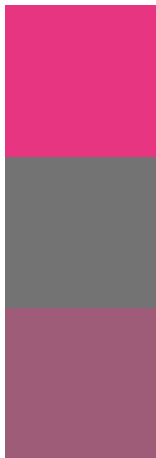
Deuteranomaly

25.6220, 19.2794, 21.1098

Tritanomaly

36.3864, 21.1683, 12.5240

Monochromacy



Original Color

38.5143, 21.2870, 22.8478

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

21.3179, 16.2795, 19.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5143, 21.2870, 22.8478 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(232, 53, 129)` looks like.

```
.text, #text, p{  
    color:rgb(232, 53, 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(232, 53, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 53, 129) }
```

Border

The CSS property to change the border of an element to XYZ 38.5143, 21.2870, 22.8478 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(232, 53, 129) }
```


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

```
.border{ border-color:rgb(232, 53, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 53, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 53, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 53, 129);  
box-shadow:4px 4px 4px 4px rgb(232, 53,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5143, 21.2870, 22.8478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 53, 129) }
```

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

```
.background{ background-color: rgb(232, 53,  
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](#).

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