

Converting Colors

XYZ(40.0854, 22.5071, 21.0467)

Have a look what the booklet for
XYZ(40.0854, 22.5071, 21.0467)
contains.

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Color

**XYZ(40.0133, 22.4607,
20.9653)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | ED3A7B |
| RGB | 237, 58, 123 |
| RGB Percent | 93%, 23%, 48% |
| CMY | 0.0706, 0.7725, 0.5176 |
| CMYK | 0.00, 0.76, 0.48, 0.07 |
| HSL | 338°, 83%, 58% |
| HSV | 338°, 76%, 93% |
| XYZ | 40.0133, 22.4607, 20.9653 |
| YIQ | 118.9310, 85.8190, 58.1630 |

Conversions

Conversions Part 2

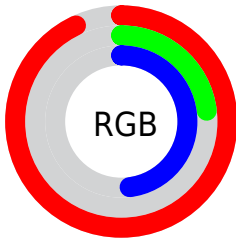
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 237, 58, 123 |
| Decimal | 15547003 |
| CIE _{Lab} | 54.51, 70.80, 6.08 |
| CIE _{LCh} | 55, 71.064, 4.911 |
| Yxy | 22.4607, 0.4795, 0.2692 |
| Android (android.graphics.Color) | 4293737083 (0xFFED3A7B) |
| YUV | 118.9310, 2.0060, 103.5465 |
| Hunter-Lab | 47.3927, 67.7689, 6.9466 |

Details

The XYZ color **40.0133, 22.4607, 20.9653** 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 **39.4774, 64.4473, 49.3948**, and the grayscale version is **17.4893, 18.4001, 20.0378**.

A 20% lighter version of the original color is **55.6943, 37.7881, 44.9159**, and **18.9492, 9.6220, 7.5151** is the 20% darker color. If you saturate the color by 10%, you get **38.2078, 20.2472, 16.0554**, and if you desaturate by 10%, it is **42.5150, 25.8336, 26.8265**.

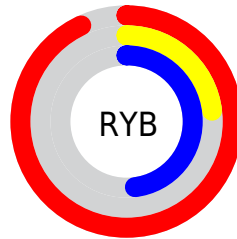
Distribution



Red (93%)

Green (23%)

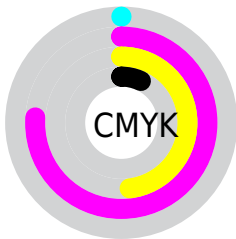
Blue (48%)



Red (93%)

Yellow (23%)

Blue (48%)

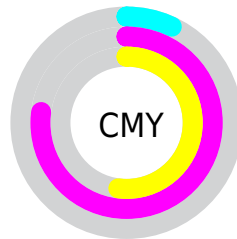


Cyan (0%)

Magenta (76%)

Yellow (48%)

Black (7%)



Cyan (7%)


Magenta (77%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0133, 22.4607, 20.9653 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 40.0133, 22.4607, 20.9653 by changing the saturation by 10% instead.

 40.0133, 22.4607,
20.9653


 40.0133, 22.4607,
20.9653


337.3131,
264.9428, 269.8690


 27.7332, 14.1958,
12.9076

 74.4680, 47.5063,
45.9098


 18.2640, 8.2570,
7.2350


 97.3732, 65.0557,
63.6338


 11.2406, 4.2598,
3.5288


 124.5509, 86.4688,
85.4169

 6.2974, 1.8199,
1.3706

 156.3664,
112.1300, 111.6777

 3.0691, 0.4996,
0.1186

 193.1850,
142.4235, 142.8348

 1.1904, 0.0000,
0.0000

235.3720,

 0.0988, 0.0000,

177.7339, 179.3067

0.0000

283.2930,
218.4456, 221.5119

■ 0.0000, 0.0000,
0.0000

■ 40.0133, 22.4607,
20.9653

■ 40.0133, 22.4607,
20.9653

■ 38.2078, 20.2472,
16.0554

■ 42.5150, 25.8336,
26.8265

■ 37.0077, 19.0220,
12.0331


■ 45.7842, 30.4982,
33.6930


■ 36.6068, 18.6772,
10.4906


■ 49.8846, 36.5725,
41.6152


■ 54.8725, 44.1605,
50.6391

■ 60.7990, 53.3558,
60.8079

 67.7113, 64.2448,
72.1622

 75.6533, 76.9073,
84.7406

 84.6661, 91.4185,
98.5797

 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



37.9843, 22.4607, 47.5205



40.0133, 22.4607, 20.9653



36.1330, 22.4607, 7.2072

Triad

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



40.0133, 22.4607, 20.9653



13.8739, 22.4607, 3.4517



15.6073, 22.4607, 87.4848

Complementary

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



40.0133, 22.4607, 20.9653



39.4774, 64.4473, 49.3948

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.



11.2724, 22.4607, 58.1257



40.0133, 22.4607, 20.9653



10.4556, 22.4607, 10.4059

Square

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



40.0133, 22.4607, 20.9653



20.0918, 22.4607, 1.7811



9.6344, 22.4607, 28.3139



22.6559, 22.4607, 96.9000

Rectangle

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



40.0133, 22.4607, 20.9653



31.1652, 22.4607, 3.4725



9.6344, 22.4607, 28.3139



13.8452, 22.4607, 79.0081

Sweetspot

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



40.0139, 22.4620, 20.9657



73.6674, 65.9413, 74.9316



33.6753, 17.8415, 81.7895



15.1745, 13.1852, 15.0458



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.



40.0139, 22.4620, 20.9657



44.2100, 22.9366, 16.0633



38.6971, 24.3263, 6.6606



15.2915, 15.1444, 16.8203



20.0434, 10.2201, 6.0299



1.6186, 0.8204, 0.7092

Inverse Universe

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



40.0139, 22.4620, 20.9657



44.2100, 22.9366, 16.0633



40.8599, 54.6708, 88.5196



15.2915, 15.1444, 16.8203



20.0434, 10.2201, 6.0299



1.6186, 0.8204, 0.7092

Previews

White Background



This preview shows how the XYZ color 40.0133, 22.4607, 20.9653 looks on a white background.

Color Contrast Check

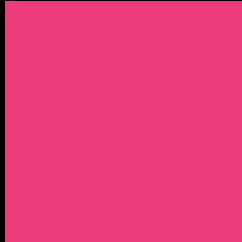
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0133, 22.4607, 20.9653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

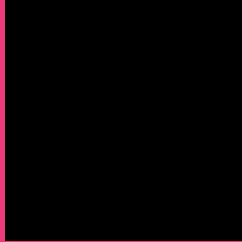
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0133, 22.4607, 20.9653

Background



This preview shows how black text looks on a background with the XYZ color 40.0133, 22.4607, 20.9653.



This preview shows how white text looks on a background with the XYZ color 40.0133, 22.4607,

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

40.0133, 22.4607, 20.9653

Protanopia

22.7619, 22.8206, 37.8555

Deuteranopia

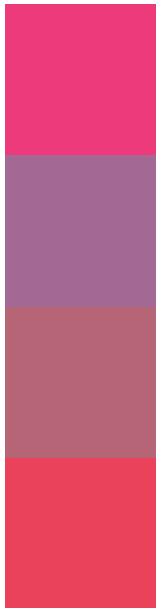
22.8925, 22.5262, 19.0610



Tritanopia

37.3579, 22.3672, 8.8269

Trichromacy



Original Color

40.0133, 22.4607, 20.9653

Protanomaly

25.6055, 19.9313, 30.5145

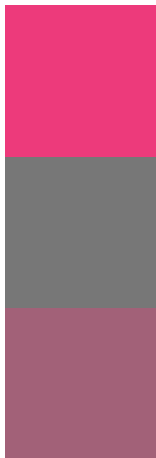
Deuteranomaly

26.9206, 20.4155, 19.3513

Tritanomaly

38.1409, 22.3313, 12.4253

Monochromacy



Original Color

40.0133, 22.4607, 20.9653

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.5652, 17.5868, 19.9746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0133, 22.4607, 20.9653 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, 58, 123)` looks like.

```
.text, #text, p{  
    color:rgb(237, 58, 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(237, 58, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 58, 123) }
```

Border

The CSS property to change the border of an element to XYZ 40.0133, 22.4607, 20.9653 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, 58, 123) }
```


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

```
.border{ border-color:rgb(237, 58, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 58, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 58, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 58, 123);  
box-shadow:4px 4px 4px 4px rgb(237, 58,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0133, 22.4607, 20.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 58, 123) }
```

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

```
.background{ background-color: rgb(237, 58,  
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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