

Converting Colors

XYZ(39.7775, 23.8565, 19.9610)

Have a look what the booklet for
XYZ(39.7775, 23.8565, 19.9610)
contains.

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Color

**XYZ(39.7775, 23.8565,
19.9610)**

Conversions

Conversions Part 1

Format	Color
Hex	EA4B77
RGB	234, 75, 119
RGB Percent	92%, 29%, 47%
CMY	0.0824, 0.7058, 0.5333
CMYK	0.00, 0.68, 0.49, 0.08
HSL	343°, 79%, 61%
HSV	343°, 68%, 92%
XYZ	39.7775, 23.8565, 19.9610
YIQ	127.5570, 80.6400, 47.3920

Conversions

Conversions Part 2

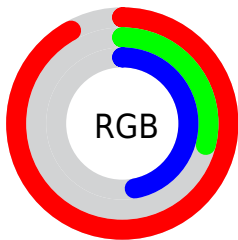
Format	Color
R_{YB}	234, 75, 119
Decimal	15354743
CIE _{Lab}	55.94, 63.90, 10.43
CIE _{LCh}	56, 64.741, 9.267
Yxy	23.8565, 0.4758, 0.2854
Android (android.graphics.Color)	4293544823 (0xFFEA4B77)
YUV	127.5570, -4.2186, 93.3505
Hunter-Lab	48.8431, 59.8937, 9.9598

Details

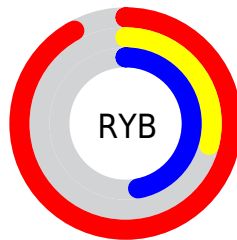
The XYZ color **39.7775, 23.8565, 19.9610** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **41.6204, 64.0598, 58.8918**, and the grayscale version is **20.3605, 21.4208, 23.3273**.

A 20% lighter version of the original color is **56.9782, 40.9753, 43.4340**, and **18.3709, 9.3392, 6.7956** is the 20% darker color. If you saturate the color by 10%, you get **37.5442, 20.8745, 14.6403**, and if you desaturate by 10%, it is **42.7764, 28.0802, 26.4304**.

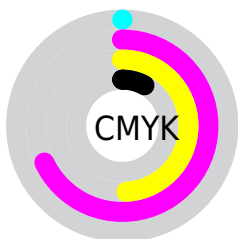
Distribution



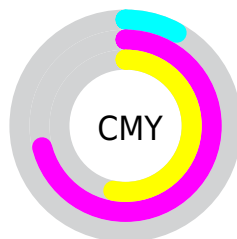
- Red (92%)
- Green (29%)
- Blue (47%)



- Red (92%)
- Yellow (29%)
- Blue (47%)



- Cyan (0%)
- Magenta (68%)
- Yellow (49%)
- Black (8%)



- Cyan (8%)
- Magenta (71%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7775, 23.8565, 19.9610 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 39.7775, 23.8565, 19.9610 by changing the saturation by 10% instead.


 39.7775, 23.8565,
19.9610


 39.7775, 23.8565,
19.9610


336.3354,
272.0942, 264.3012


 27.5485, 15.2272,
12.1829


 74.1111, 49.7959,
44.2099


 18.1243, 8.9790,
6.7443


 96.9464, 67.8749,
61.5178


 11.1395, 4.7275,
3.2267


 124.0479, 89.8724,
82.8393

 6.2287, 2.0883,
1.2115

 155.7809,
116.1731, 108.5931

 3.0266, 0.6580,
0.0000

 192.5108,
147.1612, 139.1976

 1.1679, 0.0000,
0.0000

234.6030,

 0.0808, 0.0000,

183.2212, 175.0715

0.0000

282.4227,
224.7374, 216.6331

■ 0.0000, 0.0000,
0.0000

■ 39.7775, 23.8565,
19.9610

■ 39.7775, 23.8565,
19.9610

■ 37.5442, 20.8745,
14.6403

■ 42.7764, 28.0802,
26.4304

■ 35.9974, 18.9911,
10.3939

■ 46.6053, 33.6599,
34.1134


■ 35.0340, 18.0169,
7.1358


■ 51.3237, 40.7013,
43.0708


■ 34.8783, 17.8710,
6.5735


■ 56.9849, 49.2986,
53.3591

■ 63.6379, 59.5379,
65.0310

 71.3283, 71.4991,
78.1365

 80.0986, 85.2567,
92.7228

 87.6458, 96.1941,
108.0539

 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



38.7189, 23.8565, 43.1984



39.7775, 23.8565, 19.9610



35.5427, 23.8565, 7.8004

Triad

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



39.7775, 23.8565, 19.9610



14.8216, 23.8565, 5.4971



18.0098, 23.8565, 85.6029

Complementary

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



39.7775, 23.8565, 19.9610



41.6204, 64.0598, 58.8918

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.



13.3613, 23.8565, 61.1593



39.7775, 23.8565, 19.9610



11.8175, 23.8565, 14.0737

Square

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



39.7775, 23.8565, 19.9610



20.4639, 23.8565, 2.9613



11.3483, 23.8565, 33.0914



25.0396, 23.8565, 90.3452

Rectangle

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



39.7775, 23.8565, 19.9610



30.7343, 23.8565, 4.3541



11.3483, 23.8565, 33.0914



16.1641, 23.8565, 78.9656

Sweetspot

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



39.7781, 23.8578, 19.9614



75.5023, 69.5135, 75.8439



38.3425, 21.7868, 80.0259



15.6612, 14.1089, 15.3615



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.



39.7781, 23.8578, 19.9614



44.6994, 24.2007, 15.3468



40.7195, 29.0358, 10.1168



15.2367, 15.1225, 16.5319



19.6455, 10.0609, 3.9348



1.5822, 0.8058, 0.5173

Inverse Universe

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



39.7781, 23.8578, 19.9614



44.6994, 24.2007, 15.3468



38.3043, 48.5380, 85.1915



15.2367, 15.1225, 16.5319



19.6455, 10.0609, 3.9348



1.5822, 0.8058, 0.5173

Previews

White Background



This preview shows how the XYZ color 39.7775, 23.8565, 19.9610 looks on a white background.

Color Contrast Check

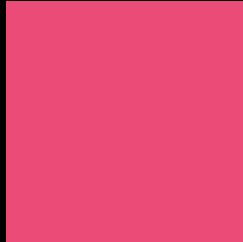
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7775, 23.8565, 19.9610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

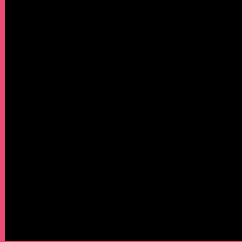
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7775, 23.8565, 19.9610

Background



This preview shows how black text looks on a background with the XYZ color 39.7775, 23.8565, 19.9610.



This preview shows how white text looks on a background with the XYZ color 39.7775, 23.8565,

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

39.7775, 23.8565, 19.9610

Protanopia

23.6267, 24.1901, 32.7020

Deuteranopia

24.4298, 23.9161, 18.3676



Tritanopia

38.0163, 23.8785, 11.6222

Trichromacy



Original Color

39.7775, 23.8565, 19.9610

Protanomaly

26.9275, 22.1094, 27.2744

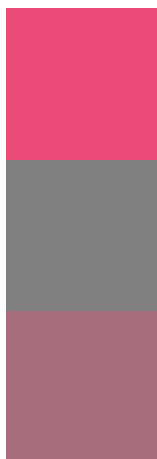
Deuteranomaly

28.2731, 22.3425, 18.7420

Tritanomaly

38.6524, 23.8165, 14.3642

Monochromacy



Original Color

39.7775, 23.8565, 19.9610

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

25.1067, 20.6334, 22.0614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7775, 23.8565, 19.9610 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(234, 75, 119)` looks like.

```
.text, #text, p{  
    color:rgb(234, 75, 119)  
}
```

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(234, 75, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 75, 119) }
```

Border

The CSS property to change the border of an element to XYZ 39.7775, 23.8565, 19.9610 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(234, 75, 119) }
```


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

```
.border{ border-color:rgb(234, 75, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 75, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 75, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 75, 119);  
box-shadow:4px 4px 4px 4px rgb(234, 75,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7775, 23.8565, 19.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 75, 119) }
```

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

```
.background{ background-color: rgb(234, 75,  
119) }
```

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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