

Converting Colors

XYZ(39.9271, 23.3977, 28.1482)

Have a look what the booklet for
XYZ(39.9271, 23.3977, 28.1482)
contains.

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Color

**XYZ(39.7689, 23.2825,
27.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	E6478E
RGB	230, 71, 142
RGB Percent	90%, 28%, 56%
CMY	0.0980, 0.7215, 0.4431
CMYK	0.00, 0.69, 0.38, 0.10
HSL	333°, 76%, 59%
HSV	333°, 69%, 90%
XYZ	39.7689, 23.2825, 27.9891
YIQ	126.6350, 71.9730, 55.7890

Conversions

Conversions Part 2

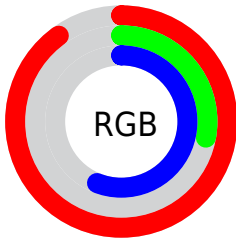
Format	Color
R _{YB}	230, 71, 142
Decimal	15091598
CIE Lab	55.36, 66.38, -4.13
CIE LCh	55, 66.504, 356.441
Yxy	23.2825, 0.4368, 0.2557
Android (android.graphics.Color)	4293281678 (0xFFE6478E)
YUV	126.6350, 7.5749, 90.6511
Hunter-Lab	48.2519, 62.6775, -0.6155

Details

The XYZ color **39.7689, 23.2825, 27.9891** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **37.1549, 60.4372, 42.5125**, and the grayscale version is **20.0068, 21.0487, 22.9220**.

A 20% lighter version of the original color is **59.1864, 41.2108, 57.0596**, and **18.5093, 9.3188, 10.9484** is the 20% darker color. If you saturate the color by 10%, you get **37.6710, 20.5299, 22.8403**, and if you desaturate by 10%, it is **42.5306, 27.1877, 33.8981**.

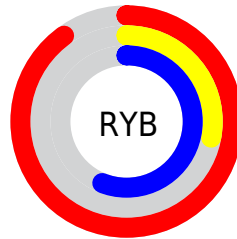
Distribution



Red (90%)

Green (28%)

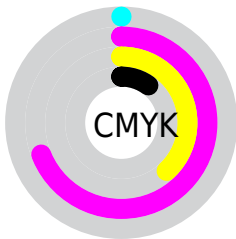
Blue (56%)



Red (90%)

Yellow (28%)

Blue (56%)

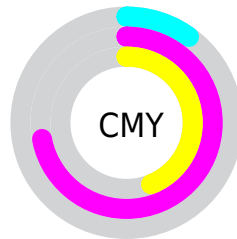


Cyan (0%)

Magenta (69%)

Yellow (38%)

Black (10%)



Cyan (10%)


Magenta (72%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7689, 23.2825, 27.9891 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 39.7689, 23.2825, 27.9891 by changing the saturation by 10% instead.


 39.7689, 23.2825,
27.9891


 39.7689, 23.2825,
27.9891


336.2997,
269.1727, 306.3251

 27.5418, 14.8022,
18.0785


 74.0981, 48.8568,
57.4899


 18.1192, 8.6807,
10.8363


 96.9308, 66.7196,
77.9172


 11.1358, 4.5335,
5.8441


 124.0296, 88.4787,
102.6871

 6.2262, 1.9763,
2.6833

 155.7596,
114.5185, 132.2182

 3.0251, 0.5936,
0.9350

 192.4862,
145.2234, 166.9290

 1.1670, 0.0000,
0.0000

234.5749,

 0.0801, 0.0000,

180.9778, 207.2381

0.0000

282.3909,
222.1661, 253.5639

■ 0.0000, 0.0000,
0.0000

■ 39.7689, 23.2825,
27.9891

■ 39.7689, 23.2825,
27.9891

■ 37.6710, 20.5299,
22.8403

■ 42.5306, 27.1877,
33.8981

■ 36.1649, 18.7923,
18.4093

■ 46.0134, 32.3550,
40.6031


■ 35.1440, 17.8623,
14.6415


■ 50.2704, 38.8852,
48.1384


■ 35.0662, 17.7962,
14.3392


■ 55.3490, 46.8677,
56.5354

■ 61.2925, 56.3844,
65.8239

 68.1411, 67.5109,
76.0317

 75.9323, 80.3178,
87.1855

 84.6984, 94.8651,
99.3096

 86.4432, 95.5630,
108.4972

Harmonies

Analogous

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



36.3748, 23.2825, 55.5408



39.7689, 23.2825, 27.9891



37.6300, 23.2825, 11.0985

Triad

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



39.7689, 23.2825, 27.9891



16.3336, 23.2825, 3.4834



15.1053, 23.2825, 77.3522

Complementary

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



39.7689, 23.2825, 27.9891



37.1549, 60.4372, 42.5125

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.



11.6047, 23.2825, 48.4137



39.7689, 23.2825, 27.9891



12.1939, 23.2825, 8.7402

Square

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



39.7689, 23.2825, 27.9891



23.0324, 23.2825, 2.4760



10.6725, 23.2825, 22.8835



21.2502, 23.2825, 92.4927

Rectangle

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



39.7689, 23.2825, 27.9891



33.5672, 23.2825, 5.7063



10.6725, 23.2825, 22.8835



13.6387, 23.2825, 68.3314

Sweetspot

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



39.7696, 23.2838, 27.9895



75.8716, 68.6994, 80.7538



30.7269, 17.5362, 76.6283



15.7825, 13.9707, 16.5760



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.



39.7696, 23.2838, 27.9895



46.6935, 24.8441, 26.3236



36.5639, 22.8642, 8.4490



14.6431, 14.4744, 16.3209



19.9120, 10.0990, 8.4316



1.5176, 0.7648, 0.8663

Inverse Universe

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



39.7696, 23.2838, 27.9895



46.6935, 24.8441, 26.3236



43.0169, 59.3226, 84.0462



14.6431, 14.4744, 16.3209



19.9120, 10.0990, 8.4316



1.5176, 0.7648, 0.8663

Previews

White Background



This preview shows how the XYZ color 39.7689, 23.2825, 27.9891 looks on a white background.

Color Contrast Check

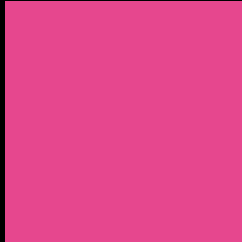
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7689, 23.2825, 27.9891 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 39.7689, 23.2825, 27.9891

Background



This preview shows how black text looks on a background with the XYZ color 39.7689, 23.2825, 27.9891.



This preview shows how white text looks on a background with the XYZ color 39.7689, 23.2825,

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

39.7689, 23.2825, 27.9891

Protanopia

24.0645, 23.4907, 46.9819

Deuteranopia

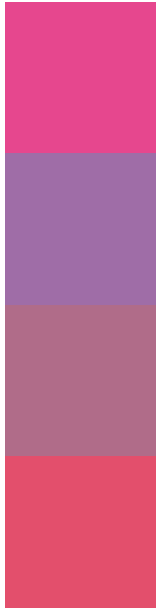
23.8304, 23.4415, 25.8229



Tritanopia

36.3375, 23.2307, 12.0200

Trichromacy



Original Color

39.7689, 23.2825, 27.9891

Protanomaly

26.7418, 21.0982, 39.2221

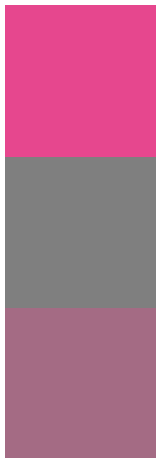
Deuteranomaly

27.7824, 21.7614, 26.4030

Tritanomaly

37.1813, 23.0056, 16.6682

Monochromacy



Original Color

39.7689, 23.2825, 27.9891

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.7324, 20.0738, 24.4009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7689, 23.2825, 27.9891 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(230, 71, 142)` looks like.

```
.text, #text, p{  
    color:rgb(230, 71, 142)  
}
```

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(230, 71, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 71, 142) }
```

Border

The CSS property to change the border of an element to XYZ 39.7689, 23.2825, 27.9891 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(230, 71, 142) }
```


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

```
.border{ border-color:rgb(230, 71, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 71, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 71, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 71, 142);  
box-shadow:4px 4px 4px 4px rgb(230, 71,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7689, 23.2825, 27.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 71, 142) }
```

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

```
.background{ background-color: rgb(230, 71,  
142) }
```

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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