

Converting Colors

XYZ(39.4307, 20.6834, 30.5857)

Have a look what the booklet for
XYZ(39.4307, 20.6834, 30.5857)
contains.

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Color

**XYZ(39.4453, 20.6809,
30.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	E82596
RGB	232, 37, 150
RGB Percent	91%, 15%, 59%
CMY	0.0902, 0.8548, 0.4118
CMYK	0.00, 0.84, 0.35, 0.09
HSL	325°, 81%, 53%
HSV	325°, 84%, 91%
XYZ	39.4453, 20.6809, 30.7670
YIQ	108.1870, 79.9470, 76.4830

Conversions

Conversions Part 2

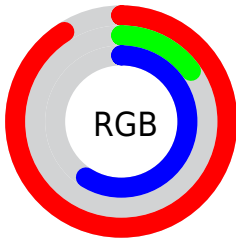
Format	Color
R_{YB}	232, 37, 150
Decimal	15213974
CIE _{Lab}	52.60, 77.27, -12.97
CIE _{LCh}	53, 78.352, 350.473
Yxy	20.6809, 0.4340, 0.2275
Android (android.graphics.Color)	4293404054 (0xFFE82596)
YUV	108.1870, 20.6138, 108.5840
Hunter-Lab	45.4763, 75.2443, -8.2793

Details

The XYZ color **39.4453, 20.6809, 30.7670** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **32.9510, 59.4392, 27.1943**, and the grayscale version is **14.2369, 14.9783, 16.3114**.

A 20% lighter version of the original color is **57.3968, 36.1350, 61.0764**, and **19.0467, 9.5588, 12.6455** is the 20% darker color. If you saturate the color by 10%, you get **38.1850, 19.3657, 26.6306**, and if you desaturate by 10%, it is **41.2299, 22.9399, 35.4012**.

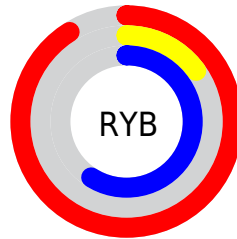
Distribution



Red (91%)

Green (15%)

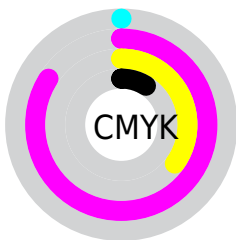
Blue (59%)



Red (91%)

Yellow (15%)

Blue (59%)

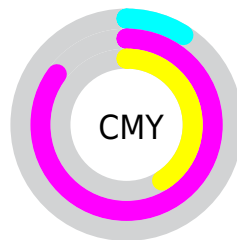


Cyan (0%)

Magenta (84%)

Yellow (35%)

Black (9%)



Cyan (9%)


Magenta (85%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4453, 20.6809, 30.7670 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 39.4453, 20.6809, 30.7670 by changing the saturation by 10% instead.

 39.4453, 20.6809,
30.7670


 39.4453, 20.6809,
30.7670

334.9547,
255.5778, 319.7813

 27.2886, 12.8910,
20.1645


 73.6078, 44.5559,
61.9483


 17.9278, 7.3535,
12.3294


 96.3443, 61.4097,
83.3642


 10.9975, 3.6841,
6.8432


 123.3382, 82.0535,
109.2217

 6.1325, 1.4985,
3.2873

 154.9547,
106.8719, 139.9393

 2.9672, 0.2877,
1.2431

 191.5593,
136.2491, 175.9355

 1.1364, 0.0000,
0.0145

233.5172,

 0.0553, 0.0000,

170.5695, 217.6289

0.0000

281.1939,
210.2176, 265.4380

■ 0.0000, 0.0000,
0.0000

■ 39.4453, 20.6809,
30.7670

■ 39.4453, 20.6809,
30.7670

■ 38.1850, 19.3657,
26.6306

■ 41.2299, 22.9399,
35.4012

■ 37.6121, 18.8892,
24.3765

■ 43.6138, 26.2903,
40.5654

■ 46.6607, 30.8572,
46.2882

■ 50.4254, 36.7478,
52.5950

■ 54.9565, 44.0574,
59.5088

60.2985, 52.8725,
67.0512

66.4922, 63.2725,
75.2422

73.5754, 75.3313,
84.1008

81.5838, 89.1182,
93.6449

Harmonies

Analogous

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



34.3407, 20.6809, 64.6967



39.4453, 20.6809, 30.7670



38.2306, 20.6809, 10.2120

Triad

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



39.4453, 20.6809, 30.7670



14.6820, 20.6809, 1.2295



11.2944, 20.6809, 77.6785

Complementary

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



39.4453, 20.6809, 30.7670



32.9510, 59.4392, 27.1943

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.



8.3508, 20.6809, 42.0776



39.4453, 20.6809, 30.7670



9.8994, 20.6809, 4.3568

Square

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



39.4453, 20.6809, 30.7670



22.3580, 20.6809, 0.9379



7.9224, 20.6809, 15.8933



17.1820, 20.6809, 101.7669

Rectangle

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



39.4453, 20.6809, 30.7670



34.1008, 20.6809, 4.1702



7.9224, 20.6809, 15.8933



10.0047, 20.6809, 65.8470

Sweetspot

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



39.4459, 20.6821, 30.7673



73.9554, 64.2427, 82.0394



22.7342, 11.0202, 77.2729



15.3124, 12.8938, 16.8404



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.



39.4459, 20.6821, 30.7673



46.5663, 23.3905, 29.9781



34.5896, 18.7395, 5.1943



14.7254, 14.5073, 16.7543



20.9450, 10.5122, 13.8711



1.5939, 0.7953, 1.2680

Inverse Universe

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



39.4459, 20.6821, 30.7673



46.5663, 23.3905, 29.9781



41.9828, 63.0520, 74.7550



14.7254, 14.5073, 16.7543



20.9450, 10.5122, 13.8711



1.5939, 0.7953, 1.2680

Previews

White Background



This preview shows how the XYZ color 39.4453, 20.6809, 30.7670 looks on a white background.

Color Contrast Check

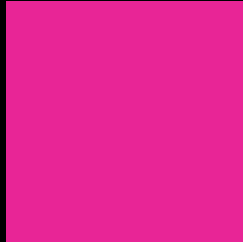
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4453, 20.6809, 30.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

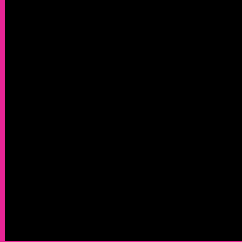
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4453, 20.6809, 30.7670

Background



This preview shows how black text looks on a background with the XYZ color 39.4453, 20.6809, 30.7670.



This preview shows how white text looks on a background with the XYZ color 39.4453, 20.6809,

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

39.4453, 20.6809, 30.7670

Protanopia

22.9843, 21.2475, 61.9212

Deuteranopia

21.3323, 20.9649, 27.7332



Tritanopia

34.7912, 20.7874, 7.9730

Trichromacy



Original Color

39.4453, 20.6809, 30.7670



Protanomaly

24.1917, 17.1288, 48.4855



Deuteranomaly

25.0096, 17.9927, 28.5404



Tritanomaly

35.9794, 20.3872, 13.8432

Monochromacy



Original Color

39.4453, 20.6809, 30.7670



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.7293, 14.2370, 20.4470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4453, 20.6809, 30.7670 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, 37, 150)` looks like.

```
.text, #text, p{  
    color:rgb(232, 37, 150)  
}
```

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, 37, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 37, 150) }
```

Border

The CSS property to change the border of an element to XYZ 39.4453, 20.6809, 30.7670 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, 37, 150) }
```


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

```
.border{ border-color:rgb(232, 37, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 37, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 37, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 37, 150);  
box-shadow:4px 4px 4px 4px rgb(232, 37,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4453, 20.6809, 30.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 37, 150) }
```

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

```
.background{ background-color: rgb(232, 37,  
150) }
```

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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