

Converting Colors

XYZ(39.4459, 20.6840, 16.8200)

Have a look what the booklet for
XYZ(39.4459, 20.6840, 16.8200)
contains.

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Color

**XYZ(39.6091, 20.7770,
16.9617)**

Conversions

Conversions Part 1

Format	Color
Hex	F11E6F
RGB	241, 30, 111
RGB Percent	95%, 12%, 44%
CMY	0.0549, 0.8823, 0.5647
CMYK	0.00, 0.88, 0.54, 0.05
HSL	337°, 88%, 53%
HSV	337°, 88%, 95%
XYZ	39.6091, 20.7770, 16.9617
YIQ	102.3230, 99.7550, 69.9230

Conversions

Conversions Part 2

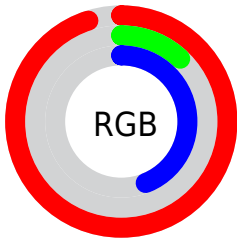
Format	Color
R_{YB}	241, 30, 111
Decimal	15801967
CIE _{Lab}	52.70, 77.33, 10.84
CIE _{LCh}	53, 78.086, 7.982
Yxy	20.7770, 0.5121, 0.2686
Android (android.graphics.Color)	4293992047 (0xFFFF11E6F)
YUV	102.3230, 4.2778, 121.6197
Hunter-Lab	45.5818, 75.3426, 9.8445

Details

The XYZ color **39.6091, 20.7770, 16.9617** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **38.3387, 65.7256, 43.9348**, and the grayscale version is **12.6881, 13.3488, 14.5369**.

A 20% lighter version of the original color is **52.7119, 33.7693, 37.9223**, and **19.2855, 9.8351, 5.7324** is the 20% darker color. If you saturate the color by 10%, you get **38.4580, 19.6766, 12.8737**, and if you desaturate by 10%, it is **41.3567, 22.8532, 21.9195**.

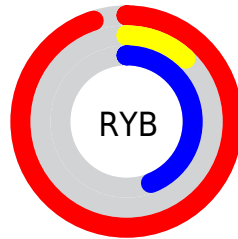
Distribution



Red (95%)

Green (12%)

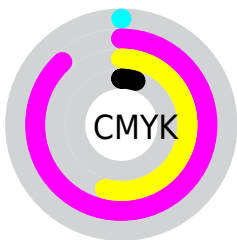
Blue (44%)



Red (95%)

Yellow (12%)

Blue (44%)

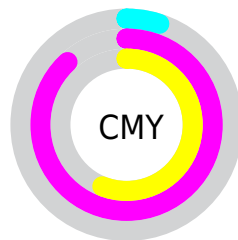


Cyan (0%)

Magenta (88%)

Yellow (54%)

Black (5%)



Cyan (5%)


Magenta (88%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6091, 20.7770, 16.9617 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 39.6091, 20.7770, 16.9617 by changing the saturation by 10% instead.


 39.6091, 20.7770,
16.9617

 39.6091, 20.7770,
16.9617


335.6360,
256.0910, 246.9880


 27.4167, 12.9611,
10.0455


 73.8560, 44.7161,
39.0497

 18.0247, 7.4018,
5.3231


 96.6413, 61.6081,
55.0585


 11.0675, 3.7146,
2.3761


 123.6883, 82.2942,
74.9354

 6.1799, 1.5152,
0.7734

 155.3623,
107.1589, 99.0987

 2.9965, 0.2994,
0.0000

 192.0287,
136.5865, 127.9671

 1.1519, 0.0000,
0.0000

234.0529,

 0.0679, 0.0000,

170.9615, 161.9591

0.0000

281.8002,
210.6682, 201.4932

■ 0.0000, 0.0000,
0.0000

■ 39.6091, 20.7770,
16.9617

■ 39.6091, 20.7770,
16.9617

■ 38.4580, 19.6766,
12.8737

■ 41.3567, 22.8532,
21.9195

■ 38.2291, 19.4821,
11.9855

■ 43.8014, 26.0958,
27.8111

■ 47.0216, 30.6527,
34.6916

■ 51.0845, 36.6490,
42.6108

■ 56.0493, 44.1949,
51.6142

61.9698, 53.3900,
61.7445

68.8952, 64.3252,
73.0417

76.8715, 77.0849,
85.5437

85.9416, 91.7479,
99.2866

Harmonies

Analogous

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



38.0584, 20.7770, 43.8817



39.6091, 20.7770, 16.9617



34.7971, 20.7770, 4.7491

Triad

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



39.6091, 20.7770, 16.9617



11.6100, 20.7770, 2.5084



14.4513, 20.7770, 94.6073

Complementary

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



39.6091, 20.7770, 16.9617



38.3387, 65.7256, 43.9348

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.



9.8168, 20.7770, 62.8346



39.6091, 20.7770, 16.9617



8.5176, 20.7770, 9.6537

Square

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



39.6091, 20.7770, 16.9617



17.6572, 20.7770, 0.9467



7.9659, 20.7770, 29.4208



21.9974, 20.7770, 102.1439

Rectangle

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



39.6091, 20.7770, 16.9617



29.2420, 20.7770, 1.9413



7.9659, 20.7770, 29.4208



12.5695, 20.7770, 85.7064

Sweetspot

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



39.6096, 20.7782, 16.9620



71.5295, 62.3888, 71.9889



30.1707, 14.4096, 84.4098



14.7702, 12.5080, 14.5060



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.



39.6096, 20.7782, 16.9620



43.4386, 22.1394, 13.5076



37.6993, 21.1730, 3.3299



16.0239, 15.8593, 17.6819



20.7918, 10.5891, 6.8202



1.7768, 0.8998, 0.8156

Inverse Universe

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



39.6096, 20.7782, 16.9620



43.4386, 22.1394, 13.5076



41.9808, 57.7623, 92.1552



16.0239, 15.8593, 17.6819



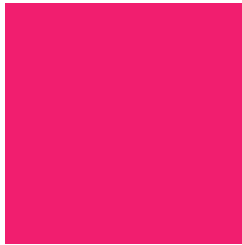
20.7918, 10.5891, 6.8202



1.7768, 0.8998, 0.8156

Previews

White Background



This preview shows how the XYZ color 39.6091, 20.7770, 16.9617 looks on a white background.

Color Contrast Check

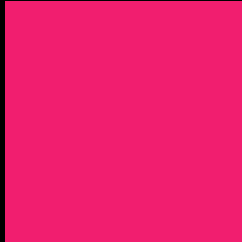
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6091, 20.7770, 16.9617 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 39.6091, 20.7770, 16.9617

Background



This preview shows how black text looks on a background with the XYZ color 39.6091, 20.7770, 16.9617.



This preview shows how white text looks on a background with the XYZ color 39.6091, 20.7770,

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

39.6091, 20.7770, 16.9617

Protanopia

21.0272, 21.0235, 34.8480

Deuteranopia

21.2190, 20.8174, 15.2117



Tritanopia

37.0413, 20.7838, 5.1914

Trichromacy



Original Color

39.6091, 20.7770, 16.9617



Protanomaly

23.4940, 16.9923, 26.8525



Deuteranomaly

25.0956, 17.8231, 15.4821



Tritanomaly

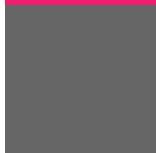
37.6631, 20.5595, 8.2866

Monochromacy



Original Color

39.6091, 20.7770, 16.9617



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

18.2711, 12.9611, 14.9034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6091, 20.7770, 16.9617 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(241, 30, 111)` looks like.

```
.text, #text, p{  
    color:rgb(241, 30, 111)  
}
```

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(241, 30, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 30, 111) }
```

Border

The CSS property to change the border of an element to XYZ 39.6091, 20.7770, 16.9617 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(241, 30, 111) }
```


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

```
.border{ border-color:rgb(241, 30, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 30, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 30, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 30, 111);  
box-shadow:4px 4px 4px 4px rgb(241, 30,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6091, 20.7770, 16.9617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 30, 111) }
```

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

```
.background{ background-color: rgb(241, 30,  
111) }
```

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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