

Converting Colors

XYZ(39.6799, 20.1119, 17.3894)

Have a look what the booklet for
XYZ(39.6799, 20.1119, 17.3894)
contains.

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Color

**XYZ(39.5986, 20.0695,
17.4095)**

Conversions

Conversions Part 1

Format	Color
Hex	F20071
RGB	242, 0, 113
RGB Percent	95%, 0%, 44%
CMY	0.0510, 0.9998, 0.5569
CMYK	0.00, 1.00, 0.53, 0.05
HSL	332°, 100%, 47%
HSV	332°, 100%, 95%
XYZ	39.5986, 20.0695, 17.4095
YIQ	85.2400, 107.9590, 86.4470

Conversions

Conversions Part 2

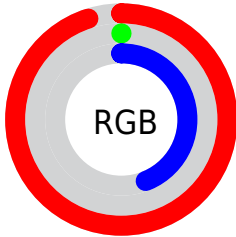
Format	Color
R_YB	242, 0, 113
Decimal	15859825
CIE _{Lab}	51.92, 80.70, 8.54
CIE _{LCh}	52, 81.148, 6.044
Yxy	20.0695, 0.5137, 0.2604
Android (android.graphics.Color)	4294049905 (0xFFFF20071)
YUV	85.2400, 13.6857, 137.4785
Hunter-Lab	44.7990, 79.3810, 8.3184

Details

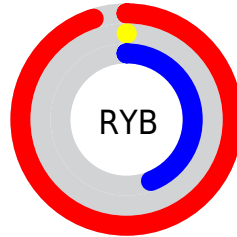
The XYZ color **39.5986, 20.0695, 17.4095** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.7191, 65.0909, 31.4703**, and the grayscale version is **8.6480, 9.0984, 9.9081**.

A 20% lighter version of the original color is **52.1237, 32.3061, 38.6104**, and **19.5738, 9.9771, 6.0484** is the 20% darker color. If you saturate the color by 10%, you get **39.5967, 20.0687, 17.4003**, and if you desaturate by 10%, it is **40.7095, 21.0450, 21.6224**.

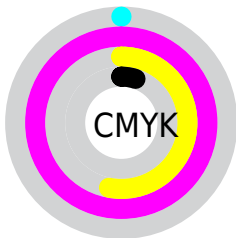
Distribution



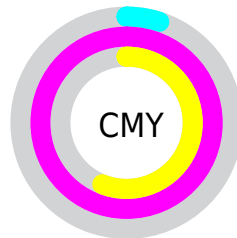
- Red (95%)
- Green (0%)
- Blue (44%)



- Red (95%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5986, 20.0695, 17.4095 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 39.5986, 20.0695, 17.4095 by changing the saturation by 10% instead.


 39.5986, 20.0695,
17.4095


 39.5986, 20.0695,
17.4095


335.5923,
252.2911, 249.6446


 27.4085, 12.4456,
10.3618


 73.8401, 43.5337,
39.8288


 18.0185, 7.0479,
5.5308


 96.6223, 60.1427,
56.0375


 11.0630, 3.4921,
2.4978


 123.6659, 80.5156,
76.1369

 6.1768, 1.3937,
0.8390

 155.3362,
105.0367, 100.5457

 2.9946, 0.2121,
0.0000

 191.9987,
134.0904, 129.6823

 1.1509, 0.0000,
0.0000

 234.0186,

 0.0671, 0.0000,

168.0611, 163.9653

0.0000

281.7614,
207.3332, 203.8132

■ 0.0000, 0.0000,
0.0000

■ 39.5986, 20.0695,
17.4095

■ 39.5986, 20.0695,
17.4095

■ 39.5967, 20.0687,
17.4003

■ 40.7095, 21.0450,
21.6224

■ 42.3397, 22.8872,
26.5381

■ 44.6217, 25.8550,
32.2198

■ 47.6358, 30.1030,
38.7124

■ 51.4496, 35.7611,
46.0558

■ 56.1229, 42.9431,
54.2863

■ 61.7091, 51.7511,
63.4377

■ 68.2574, 62.2783,
73.5416

■ 75.8132, 74.6108,
84.6279

Harmonies

Analogous

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



37.5545, 20.0695, 45.9766



39.5986, 20.0695, 17.4095



34.9916, 20.0695, 4.5392

Triad

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



39.5986, 20.0695, 17.4095



11.1812, 20.0695, 1.8572



13.3321, 20.0695, 95.2132

Complementary

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



39.5986, 20.0695, 17.4095



35.7191, 65.0909, 31.4703

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.



8.9091, 20.0695, 60.9658



39.5986, 20.0695, 17.4095



7.9410, 20.0695, 8.1093

Square

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



39.5986, 20.0695, 17.4095



17.4535, 20.0695, 0.6162



7.2494, 20.0695, 26.9931



20.7949, 20.0695, 105.3177

Rectangle

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



39.5986, 20.0695, 17.4095



29.3787, 20.0695, 1.6796



7.2494, 20.0695, 26.9931



11.5160, 20.0695, 85.3472

Sweetspot

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



39.5991, 20.0707, 17.4098



69.4247, 58.1660, 71.3280



24.4940, 10.7767, 84.7932



14.2638, 11.5048, 14.3079



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.



39.5991, 20.0707, 17.4098



44.5720, 22.5928, 19.4763



36.6626, 18.9661, 1.7302



16.0799, 15.8817, 17.9768



21.3394, 10.8082, 9.7039



1.8250, 0.9191, 1.0696

Inverse Universe

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



39.5991, 20.0707, 17.4098



44.5720, 22.5928, 19.4763



46.5927, 67.5412, 94.5852



16.0799, 15.8817, 17.9768



21.3394, 10.8082, 9.7039



1.8250, 0.9191, 1.0696

Previews

White Background



This preview shows how the XYZ color 39.5986, 20.0695, 17.4095 looks on a white background.

Color Contrast Check

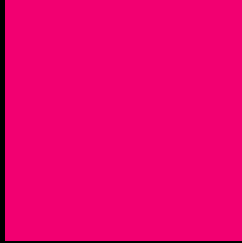
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5986, 20.0695, 17.4095 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 39.5986, 20.0695, 17.4095

Background



This preview shows how black text looks on a background with the XYZ color 39.5986, 20.0695, 17.4095.



This preview shows how white text looks on a background with the XYZ color 39.5986, 20.0695,

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

39.5986, 20.0695, 17.4095

Protanopia

20.9787, 20.7405, 38.0196

Deuteranopia

20.8417, 20.4320, 15.6772



Tritanopia

36.9896, 20.4093, 4.3727

Trichromacy



Original Color

39.5986, 20.0695, 17.4095



Protanomaly

22.6048, 15.2134, 28.5331



Deuteranomaly

24.0607, 15.9337, 15.7173



Tritanomaly

37.4487, 19.8337, 7.4847

Monochromacy



Original Color

39.5986, 20.0695, 17.4095



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.5401, 9.2153, 11.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5986, 20.0695, 17.4095 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(242, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 113)  
}
```

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(242, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 39.5986, 20.0695, 17.4095 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(242, 0, 113) }
```


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

```
.border{ border-color:rgb(242, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5986, 20.0695, 17.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 113) }
```

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

```
.background{ background-color: rgb(242, 0,  
113) }
```

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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