

Converting Colors

XYZ(40.5405, 20.4562, 21.9214)

Have a look what the booklet for
XYZ(40.5405, 20.4562, 21.9214)
contains.

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Color

**XYZ(40.4487, 20.4096,
21.8862)**

Conversions

Conversions Part 1

Format	Color
Hex	F2007F
RGB	242, 0, 127
RGB Percent	95%, 0%, 50%
CMY	0.0510, 0.9998, 0.5020
CMYK	0.00, 1.00, 0.48, 0.05
HSL	329°, 100%, 47%
HSV	329°, 100%, 95%
XYZ	40.4487, 20.4096, 21.8862
YIQ	86.8360, 103.4650, 90.8010

Conversions

Conversions Part 2

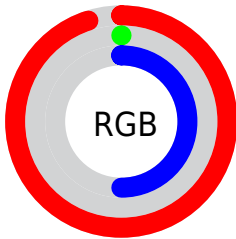
Format	Color
R_{YB}	242, 0, 127
Decimal	15859839
CIE _{Lab}	52.30, 81.71, 0.60
CIE _{LCh}	52, 81.708, 0.419
Yxy	20.4096, 0.4888, 0.2467
Android (android.graphics.Color)	4294049919 (0xFFFF2007F)
YUV	86.8360, 19.8009, 136.0788
Hunter-Lab	45.1770, 80.7582, 2.9006

Details

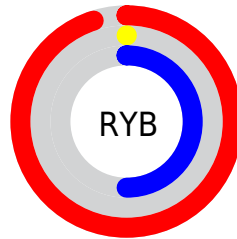
The XYZ color **40.4487, 20.4096, 21.8862** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **34.8508, 64.7436, 26.8979**, and the grayscale version is **8.9744, 9.4418, 10.2821**.

A 20% lighter version of the original color is **53.6514, 33.0641, 46.2021**, and **19.9656, 10.1338, 8.1114** is the 20% darker color. If you saturate the color by 10%, you get **40.4467, 20.4087, 21.8763**, and if you desaturate by 10%, it is **41.5738, 21.3908, 26.1738**.

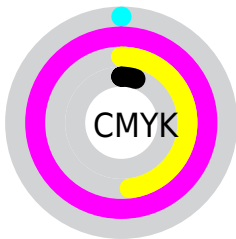
Distribution



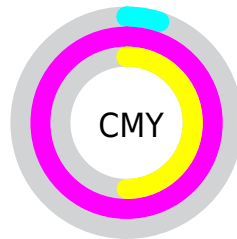
- Red (95%)
- Green (0%)
- Blue (50%)



- Red (95%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4487, 20.4096, 21.8862 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 40.4487, 20.4096, 21.8862 by changing the saturation by 10% instead.

 40.4487, 20.4096,
21.8862


 40.4487, 20.4096,
21.8862


339.1132,
254.1240, 274.8855


 28.0743, 12.6931,
13.5758


 75.1263, 44.1028,
47.4576


 18.5224, 7.2176,
7.6909


 98.1602, 60.8484,
65.5557


 11.4277, 3.5985,
3.8129


 125.4781, 81.3725,
87.7534

 6.4247, 1.4516,
1.5232

 157.4452,
106.0594, 114.4693

 3.1481, 0.2543,
0.2352

 194.4269,
135.2937, 146.1219

 1.2325, 0.0000,
0.0000

 236.7886,

 0.1318, 0.0000,

169.4596, 183.1298

0.0000

284.8956,
208.9415, 225.9115

■ 0.0000, 0.0000,
0.0000

■ 40.4487, 20.4096,
21.8862

■ 40.4487, 20.4096,
21.8862

■ 40.4467, 20.4087,
21.8763

■ 41.5738, 21.3908,
26.1738

■ 43.1992, 23.2312,
31.0639

■ 45.4561, 26.1890,
36.6131

■ 48.4236, 30.4185,
42.8602

■ 52.1684, 36.0491,
49.8392

■ 56.7489, 43.1941,
57.5812

■ 62.2179, 51.9554,
66.1146

■ 68.6234, 62.4257,
75.4662

■ 76.0101, 74.6906,
85.6612

Harmonies

Analogous

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



37.1095, 20.4096, 53.7749



40.4487, 20.4096, 21.8862



36.9279, 20.4096, 6.0656

Triad

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



40.4487, 20.4096, 21.8862



12.3158, 20.4096, 1.4397



12.4675, 20.4096, 91.6129

Complementary

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



40.4487, 20.4096, 21.8862



34.8508, 64.7436, 26.8979

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.



8.5375, 20.4096, 54.8373



40.4487, 20.4096, 21.8862



8.4693, 20.4096, 6.3153

Square

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



40.4487, 20.4096, 21.8862



19.2809, 20.4096, 0.5916



7.3148, 20.4096, 22.5624



19.5170, 20.4096, 108.0027

Rectangle

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



40.4487, 20.4096, 21.8862



31.6182, 20.4096, 2.2373



7.3148, 20.4096, 22.5624



10.8195, 20.4096, 80.3426

Sweetspot

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



40.4492, 20.4108, 21.8865



69.9986, 58.3955, 74.3501



22.8333, 9.9206, 84.7155



14.3993, 11.5590, 15.0215



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.



40.4492, 20.4108, 21.8865



45.5286, 22.9754, 24.5134



36.6630, 18.8963, 1.9483



16.1193, 15.8974, 18.1843



21.7980, 10.9916, 12.1189



1.8637, 0.9345, 1.2729

Inverse Universe

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



40.4492, 20.4108, 21.8865



45.5286, 22.9754, 24.5134



46.5947, 69.4412, 88.7406



16.1193, 15.8974, 18.1843



21.7980, 10.9916, 12.1189



1.8637, 0.9345, 1.2729

Previews

White Background



This preview shows how the XYZ color 40.4487, 20.4096, 21.8862 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 40.4487, 20.4096, 21.8862 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 40.4487, 20.4096, 21.8862

Background



This preview shows how black text looks on a background with the XYZ color 40.4487, 20.4096, 21.8862.



This preview shows how white text looks on a background with the XYZ color 40.4487, 20.4096,

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

40.4487, 20.4096, 21.8862

Protanopia

21.8183, 20.9600, 47.6955

Deuteranopia

21.3257, 20.9542, 19.7502



Tritanopia

36.9980, 20.6974, 5.1769

Trichromacy



Original Color

40.4487, 20.4096, 21.8862



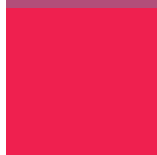
Protanomaly

23.1171, 15.3042, 36.3859



Deuteranomaly

24.5357, 16.2942, 19.9411



Tritanomaly

37.5244, 19.9483, 9.2698

Monochromacy



Original Color

40.4487, 20.4096, 21.8862



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0922, 9.5313, 13.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4487, 20.4096, 21.8862 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, 127)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 40.4487, 20.4096, 21.8862 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, 127) }
```


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

```
.border{ border-color:rgb(242, 0, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4487, 20.4096, 21.8862 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, 127) }
```

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

```
.background{ background-color: rgb(242, 0,  
127) }
```

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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