

Converting Colors

XYZ(41.5368, 21.0600, 17.8908)

Have a look what the booklet for
XYZ(41.5368, 21.0600, 17.8908)
contains.

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Color

**XYZ(41.3950, 20.9891,
17.7891)**

Conversions

Conversions Part 1

Format	Color
Hex	F70072
RGB	247, 0, 114
RGB Percent	97%, 0%, 45%
CMY	0.0314, 0.9997, 0.5529
CMYK	0.00, 1.00, 0.54, 0.03
HSL	332°, 100%, 48%
HSV	332°, 100%, 97%
XYZ	41.3950, 20.9891, 17.7891
YIQ	86.8490, 110.6180, 87.8180

Conversions

Conversions Part 2

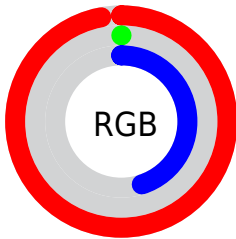
Format	Color
RYB	247, 0, 114
Decimal	16187506
CIELab	52.94, 81.86, 9.52
CIElCh	53, 82.408, 6.635
Yxy	20.9891, 0.5163, 0.2618
Android (android.graphics.Color)	4294377586 (0xFF70072)
YUV	86.8490, 13.3854, 140.4524
Hunter-Lab	45.8139, 81.1090, 9.0479

Details

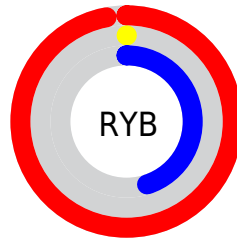
The XYZ color **41.3950, 20.9891, 17.7891** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **37.4995, 68.2168, 33.4044**, and the grayscale version is **8.9899, 9.4581, 10.2999**.

A 20% lighter version of the original color is **52.3062, 32.5260, 39.1186**, and **20.5416, 10.4725, 6.2489** is the 20% darker color. If you saturate the color by 10%, you get **41.3928, 20.9881, 17.7786**, and if you desaturate by 10%, it is **42.5508, 21.9995, 22.1862**.

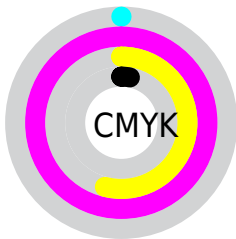
Distribution



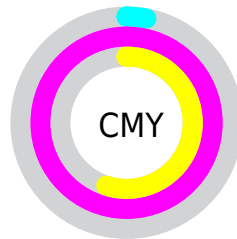
- Red (97%)
- Green (0%)
- Blue (45%)



- Red (97%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3950, 20.9891, 17.7891 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 41.3950, 20.9891, 17.7891 by changing the saturation by 10% instead.

 41.3950, 20.9891,
17.7891


 41.3950, 20.9891,
17.7891

343.0033,
257.2206, 251.8757


 28.8169, 13.1160,
10.6308


 76.5541, 45.0694,
40.4867


 19.0859, 7.5085,
5.7081


 99.8658, 62.0454,
56.8631


 11.8368, 3.7821,
2.6025


 127.4860, 82.8245,
77.1493

 6.7040, 1.5524,
0.8938

 159.7802,
107.7912, 101.7637

 3.3224, 0.3252,
0.0000

 197.1137,
137.3297, 131.1251

 1.3264, 0.0000,
0.0000

 239.8517,

 0.2029, 0.0000,

171.8245, 165.6518

0.0000

288.3598,
211.6600, 205.7625

■ 0.0000, 0.0000,
0.0000

■ 41.3950, 20.9891,
17.7891

■ 41.3950, 20.9891,
17.7891

■ 41.3928, 20.9881,
17.7786

■ 42.5508, 21.9995,
22.1862

■ 44.2539, 23.9212,
27.3311

■ 46.6427, 27.0238,
33.2906

■ 49.8015, 31.4701,
40.1125

■ 53.8019, 37.3970,
47.8396

■ 58.7066, 44.9241,
56.5106

■ 64.5721, 54.1588,
66.1616

■ 71.4501, 65.1992,
76.8264

■ 79.3885, 78.1357,
88.5370

Harmonies

Analogous

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



39.3948, 20.9891, 47.3637



41.3950, 20.9891, 17.7891



36.4525, 20.9891, 4.6053

Triad

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



41.3950, 20.9891, 17.7891



11.5938, 20.9891, 1.9954



14.0645, 20.9891, 100.1577

Complementary

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



41.3950, 20.9891, 17.7891



37.4995, 68.2168, 33.4044

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.



9.3747, 20.9891, 64.5727



41.3950, 20.9891, 17.7891



8.2626, 20.9891, 8.7104

Square

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



41.3950, 20.9891, 17.7891



18.0924, 20.9891, 0.6583



7.5874, 20.9891, 28.7981



21.9295, 20.9891, 110.0529

Rectangle

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



41.3950, 20.9891, 17.7891



30.5408, 20.9891, 1.7045



7.5874, 20.9891, 28.7981



12.1427, 20.9891, 89.9811

Sweetspot

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



41.3955, 20.9904, 17.7894



69.3717, 58.1448, 71.0492



26.2679, 11.6033, 88.8504



14.2513, 11.4998, 14.2422



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.



41.3955, 20.9904, 17.7894



44.4896, 22.5599, 19.0423



38.4480, 19.9543, 1.8270



16.8172, 16.6097, 18.7840



21.9614, 11.1280, 9.7711



1.9815, 0.9986, 1.1289

Inverse Universe

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



41.3955, 20.9904, 17.7894



44.4896, 22.5599, 19.0423



47.5879, 68.3132, 98.6728



16.8172, 16.6097, 18.7840



21.9614, 11.1280, 9.7711



1.9815, 0.9986, 1.1289

Previews

White Background



This preview shows how the XYZ color 41.3950, 20.9891, 17.7891 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 41.3950, 20.9891, 17.7891 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 41.3950, 20.9891, 17.7891

Background



This preview shows how black text looks on a background with the XYZ color 41.3950, 20.9891, 17.7891.



This preview shows how white text looks on a background with the XYZ color 41.3950, 20.9891,

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

41.3950, 20.9891, 17.7891

Protanopia

21.7236, 21.4899, 38.6003

Deuteranopia

21.9761, 21.5550, 16.0990



Tritanopia

38.7203, 21.2993, 4.5530

Trichromacy



Original Color

41.3950, 20.9891, 17.7891



Protanomaly

23.5740, 15.8120, 29.0037



Deuteranomaly

25.4387, 16.8458, 16.0981



Tritanomaly

39.2010, 20.7334, 7.7302

Monochromacy



Original Color

41.3950, 20.9891, 17.7891



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.2009, 9.6152, 12.3640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3950, 20.9891, 17.7891 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(247, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 114)  
}
```

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(247, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 41.3950, 20.9891, 17.7891 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(247, 0, 114) }
```


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

```
.border{ border-color:rgb(247, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3950, 20.9891, 17.7891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 114) }
```

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

```
.background{ background-color: rgb(247, 0,  
114) }
```

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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