

Converting Colors

XYZ(41.1319, 20.8981, 15.7587)

Have a look what the booklet for
XYZ(41.1319, 20.8981, 15.7587)
contains.

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Color

**XYZ(41.0116, 20.8357,
15.7701)**

Conversions

Conversions Part 1

Format	Color
Hex	F7006B
RGB	247, 0, 107
RGB Percent	97%, 0%, 42%
CMY	0.0314, 0.9998, 0.5804
CMYK	0.00, 1.00, 0.57, 0.03
HSL	334°, 100%, 48%
HSV	334°, 100%, 97%
XYZ	41.0116, 20.8357, 15.7701
YIQ	86.0510, 112.8650, 85.6410

Conversions

Conversions Part 2

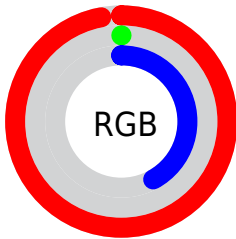
Format	Color
R_{YB}	247, 0, 107
Decimal	16187499
CIE Lab	52.77, 81.41, 13.54
CIE LCh	53, 82.525, 9.440
Yxy	20.8357, 0.5284, 0.2684
Android (android.graphics.Color)	4294377579 (0xFF7006B)
YUV	86.0510, 10.3279, 141.1523
Hunter-Lab	45.6461, 80.4958, 11.4684

Details

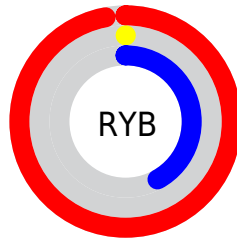
The XYZ color **41.0116, 20.8357, 15.7701** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **37.9996, 68.4169, 36.0381**, and the grayscale version is **8.8256, 9.2852, 10.1116**.

A 20% lighter version of the original color is **51.6862, 32.2780, 35.8539**, and **20.3440, 10.3935, 5.2089** is the 20% darker color. If you saturate the color by 10%, you get **41.0095, 20.8348, 15.7602**, and if you desaturate by 10%, it is **42.1516, 21.8398, 20.0843**.

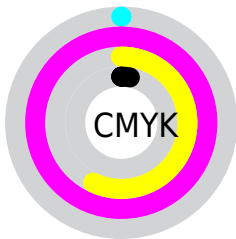
Distribution



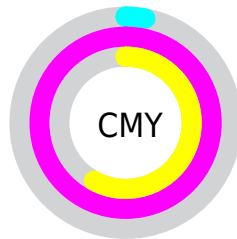
- Red (97%)
- Green (0%)
- Blue (42%)



- Red (97%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0116, 20.8357, 15.7701 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 41.0116, 20.8357, 15.7701 by changing the saturation by 10% instead.


 41.0116, 20.8357,
15.7701


 41.0116, 20.8357,
15.7701


341.4309,
256.4040, 239.7805


 28.5159, 13.0040,
9.2090


 75.9761, 44.8139,
36.9598

 18.8573, 7.4313,
4.7791


 99.1756, 61.7292,
52.4256


 11.6706, 3.7332,
2.0618


 126.6737, 82.4411,
71.6967

 6.5904, 1.5255,
0.5929

 158.8357,
107.3341, 95.1916

 3.2513, 0.3066,
0.0000

 196.0271,
136.7924, 123.3289

 1.2880, 0.0000,
0.0000

 238.6132,

 0.1742, 0.0000,

171.2006, 156.5271

0.0000

286.9593,
210.9430, 195.2048

■ 0.0000, 0.0000,
0.0000

■ 41.0116, 20.8357,
15.7701

■ 41.0116, 20.8357,
15.7701

■ 41.0095, 20.8348,
15.7602

■ 42.1516, 21.8398,
20.0843

■ 43.8491, 23.7591,
25.1993

■ 46.2429, 26.8637,
31.1863

■ 49.4186, 31.3167,
38.0972

■ 53.4482, 37.2551,
45.9783

■ 58.3951, 44.7990,
54.8719

■ 64.3165, 54.0560,
64.8174

■ 71.2646, 65.1243,
75.8516

■ 79.2879, 78.0946,
88.0095

Harmonies

Analogous

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



39.6786, 20.8357, 43.7201



41.0116, 20.8357, 15.7701



35.5212, 20.8357, 3.9381

Triad

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



41.0116, 20.8357, 15.7701



11.0449, 20.8357, 2.2440



14.5444, 20.8357, 102.2238

Complementary

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



41.0116, 20.8357, 15.7701



37.9996, 68.4169, 36.0381

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.



9.5794, 20.8357, 68.0472



41.0116, 20.8357, 15.7701



8.0030, 20.8357, 9.7856

Square

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



41.0116, 20.8357, 15.7701



17.2128, 20.8357, 0.6693



7.5581, 20.8357, 31.3769



22.6424, 20.8357, 108.8428

Rectangle

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



41.0116, 20.8357, 15.7701



29.4601, 20.8357, 1.4591



7.5581, 20.8357, 31.3769



12.5281, 20.8357, 92.8095

Sweetspot

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



41.0121, 20.8370, 15.7704



69.0969, 58.0349, 69.6021



27.6033, 12.2917, 88.9129



14.1867, 11.4739, 13.9018



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.



41.0121, 20.8370, 15.7704



44.0779, 22.3952, 16.8742



38.5511, 20.1605, 1.8613



16.7971, 16.6017, 18.6781



21.7569, 11.0462, 8.6942



1.9628, 0.9911, 1.0303

Inverse Universe

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



41.0121, 20.8370, 15.7704



44.0779, 22.3952, 16.8742



45.2357, 63.6088, 97.8888



16.7971, 16.6017, 18.6781



21.7569, 11.0462, 8.6942



1.9628, 0.9911, 1.0303

Previews

White Background



This preview shows how the XYZ color 41.0116, 20.8357, 15.7701 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 41.0116, 20.8357, 15.7701 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 41.0116, 20.8357, 15.7701

Background



This preview shows how black text looks on a background with the XYZ color 41.0116, 20.8357, 15.7701.



This preview shows how white text looks on a background with the XYZ color 41.0116, 20.8357,

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

41.0116, 20.8357, 15.7701

Protanopia

21.3468, 21.3870, 34.4555

Deuteranopia

21.6949, 21.2662, 14.2706



Tritanopia

38.5723, 21.1209, 4.1416

Trichromacy



Original Color

41.0116, 20.8357, 15.7701



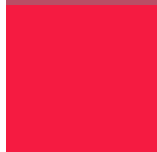
Protanomaly

23.3925, 15.7878, 25.8592



Deuteranomaly

25.0809, 16.7027, 14.2139



Tritanomaly

39.0023, 20.5780, 6.9173

Monochromacy



Original Color

41.0116, 20.8357, 15.7701



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

15.0636, 9.5603, 11.6411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0116, 20.8357, 15.7701 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 41.0116, 20.8357, 15.7701 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, 107) }
```


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

```
.border{ border-color:rgb(247, 0, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0116, 20.8357, 15.7701 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, 107) }
```

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

```
.background{ background-color: rgb(247, 0,  
107) }
```

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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