

Converting Colors

XYZ(41.0433, 20.8484, 15.9361)

Have a look what the booklet for
XYZ(41.0433, 20.8484, 15.9361)
contains.

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Color

**XYZ(41.0645, 20.8569,
16.0488)**

Conversions

Conversions Part 1

Format	Color
Hex	F7006C
RGB	247, 0, 108
RGB Percent	97%, 0%, 42%
CMY	0.0314, 0.9997, 0.5765
CMYK	0.00, 1.00, 0.56, 0.03
HSL	334°, 100%, 48%
HSV	334°, 100%, 97%
XYZ	41.0645, 20.8569, 16.0488
YIQ	86.1650, 112.5440, 85.9520

Conversions

Conversions Part 2

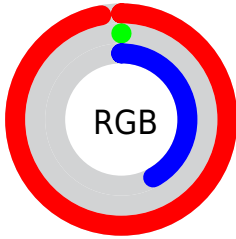
Format	Color
R_{YB}	247, 0, 108
Decimal	16187500
CIE _{Lab}	52.79, 81.47, 12.96
CIE _{LCh}	53, 82.494, 9.039
Yxy	20.8569, 0.5267, 0.2675
Android (android.graphics.Color)	4294377580 (0xFFFF7006C)
YUV	86.1650, 10.7647, 141.0523
Hunter-Lab	45.6694, 80.5804, 11.1333

Details

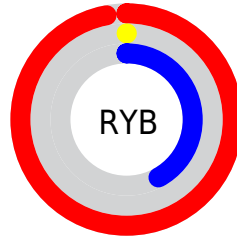
The XYZ color **41.0645, 20.8569, 16.0488** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **37.9263, 68.3875, 35.6522**, and the grayscale version is **8.8492, 9.3101, 10.1387**.

A 20% lighter version of the original color is **51.7727, 32.3126, 36.3091**, and **20.3707, 10.4042, 5.3494** is the 20% darker color. If you saturate the color by 10%, you get **41.0623, 20.8559, 16.0384**, and if you desaturate by 10%, it is **42.2071, 21.8621, 20.3764**.

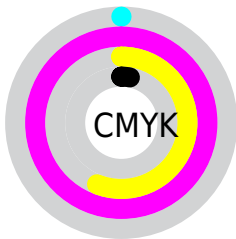
Distribution



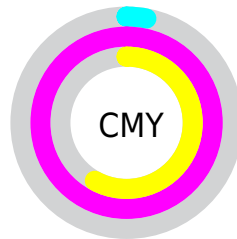
- Red (97%)
- Green (0%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (3%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0645, 20.8569, 16.0488 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 41.0645, 20.8569, 16.0488 by changing the saturation by 10% instead.


 41.0645, 20.8569,
16.0488


 41.0645, 20.8569,
16.0488


341.6481,
256.5170, 241.4850


 28.5574, 13.0194,
9.4040


 76.0559, 44.8493,
37.4509

 18.8888, 7.4419,
4.9052


 99.2709, 61.7729,
53.0452


 11.6935, 3.7400,
2.1340


 126.7858, 82.4942,
72.4597

 6.6060, 1.5292,
0.6359

 158.9662,
107.3973, 96.1131

 3.2611, 0.3091,
0.0000

 196.1772,
136.8668, 124.4237

 1.2933, 0.0000,
0.0000

 238.7843,

 0.1782, 0.0000,

171.2869, 157.8103

0.0000

287.1528,
211.0422, 196.6912

■ 0.0000, 0.0000,
0.0000

■ 41.0645, 20.8569,
16.0488

■ 41.0645, 20.8569,
16.0488

■ 41.0623, 20.8559,
16.0384

■ 42.2071, 21.8621,
20.3764

■ 43.9057, 23.7819,
25.4972

■ 46.2992, 26.8865,
31.4817

■ 49.4727, 31.3387,
38.3813

■ 53.4984, 37.2757,
46.2416

■ 58.4396, 44.8174,
55.1046

■ 64.3533, 54.0715,
65.0089

■ 71.2916, 65.1360,
75.9912

■ 79.3029, 78.1017,
88.0857

Harmonies

Analogous

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



39.6361, 20.8569, 44.2279



41.0645, 20.8569, 16.0488



35.6520, 20.8569, 4.0294

Triad

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



41.0645, 20.8569, 16.0488



11.1221, 20.8569, 2.2073



14.4746, 20.8569, 101.9208

Complementary

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



41.0645, 20.8569, 16.0488



37.9263, 68.3875, 35.6522

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.



9.5497, 20.8569, 67.5390



41.0645, 20.8569, 16.0488



8.0397, 20.8569, 9.6264

Square

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



41.0645, 20.8569, 16.0488



17.3364, 20.8569, 0.6678



7.5622, 20.8569, 30.9975



22.5386, 20.8569, 109.0096

Rectangle

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



41.0645, 20.8569, 16.0488



29.6121, 20.8569, 1.4928



7.5622, 20.8569, 30.9975



12.4721, 20.8569, 92.3961

Sweetspot

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



41.0650, 20.8582, 16.0491



69.1359, 58.0505, 69.8074



26.9229, 11.9409, 88.8809



14.1959, 11.4776, 13.9501



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.



41.0650, 20.8582, 16.0491



44.1347, 22.4179, 17.1731



38.4944, 20.0472, 1.8425



16.8000, 16.6028, 18.6932



21.7851, 11.0575, 8.8428



1.9654, 0.9921, 1.0440

Inverse Universe

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



41.0650, 20.8582, 16.0491



44.1347, 22.4179, 17.1731



46.3982, 65.9337, 98.2761



16.8000, 16.6028, 18.6932



21.7851, 11.0575, 8.8428



1.9654, 0.9921, 1.0440

Previews

White Background



This preview shows how the XYZ color 41.0645, 20.8569, 16.0488 looks on a white background.

Color Contrast Check

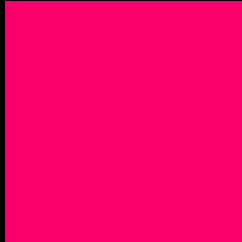
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0645, 20.8569, 16.0488 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 41.0645, 20.8569, 16.0488

Background



This preview shows how black text looks on a background with the XYZ color 41.0645, 20.8569, 16.0488.



This preview shows how white text looks on a background with the XYZ color 41.0645, 20.8569,

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

41.0645, 20.8569, 16.0488

Protanopia

21.2924, 21.3491, 34.8968

Deuteranopia

21.7418, 21.2849, 14.5178



Tritanopia

38.5900, 21.1280, 4.2347

Trichromacy



Original Color

41.0645, 20.8569, 16.0488



Protanomaly

23.2547, 15.7084, 26.2325



Deuteranomaly

25.1302, 16.7224, 14.4736



Tritanomaly

39.0315, 20.5897, 7.0713

Monochromacy



Original Color

41.0645, 20.8569, 16.0488



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 41.0645, 20.8569, 16.0488 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 41.0645, 20.8569, 16.0488 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, 108) }
```


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

```
.border{ border-color:rgb(247, 0, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0645, 20.8569, 16.0488 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, 108) }
```

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

```
.background{ background-color: rgb(247, 0,  
108) }
```

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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