

Converting Colors

XYZ(41.5575, 21.0694, 17.9975)

Have a look what the booklet for
XYZ(41.5575, 21.0694, 17.9975)
contains.

XYZ(41.4523, 21.0120, 18.0906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.4523, 21.0120,
18.0906)**

Conversions

Conversions Part 1

Format	Color
Hex	F70073
RGB	247, 0, 115
RGB Percent	97%, 0%, 45%
CMY	0.0314, 0.9997, 0.5490
CMYK	0.00, 1.00, 0.53, 0.03
HSL	332°, 100%, 48%
HSV	332°, 100%, 97%
XYZ	41.4523, 21.0120, 18.0906
YIQ	86.9630, 110.2970, 88.1290

Conversions

Conversions Part 2

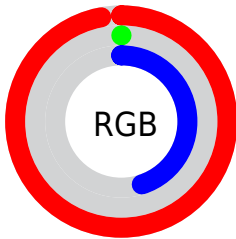
Format	Color
R_{YB}	247, 0, 115
Decimal	16187507
CIE _{Lab}	52.96, 81.92, 8.95
CIE _{LCh}	53, 82.410, 6.236
Yxy	21.0120, 0.5146, 0.2608
Android (android.graphics.Color)	4294377587 (0xFFFF70073)
YUV	86.9630, 13.8222, 140.3524
Hunter-Lab	45.8388, 81.2005, 8.6880

Details

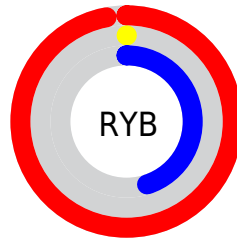
The XYZ color **41.4523, 21.0120, 18.0906** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **37.4306, 68.1893, 33.0415**, and the grayscale version is **9.0133, 9.4827, 10.3267**.

A 20% lighter version of the original color is **52.4897, 32.5994, 40.0850**, and **20.5718, 10.4846, 6.4083** is the 20% darker color. If you saturate the color by 10%, you get **41.4502, 21.0111, 18.0803**, and if you desaturate by 10%, it is **42.6099, 22.0232, 22.4975**.

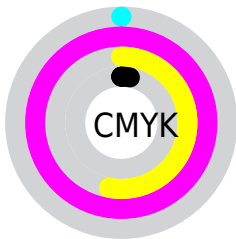
Distribution



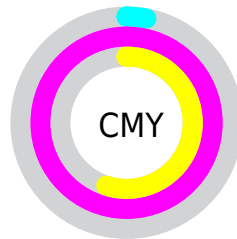
- Red (97%)
- Green (0%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (3%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4523, 21.0120, 18.0906 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 41.4523, 21.0120, 18.0906 by changing the saturation by 10% instead.


 41.4523, 21.0120,
18.0906


 41.4523, 21.0120,
18.0906


343.2378,
257.3423, 253.6345


 28.8619, 13.1328,
10.8449


 76.6404, 45.1075,
41.0077


 19.1201, 7.5200,
5.8498


 99.9688, 62.0926,
57.5162


 11.8616, 3.7894,
2.6867


 127.6073, 82.8817,
77.9493

 6.7211, 1.5565,
0.9367

 159.9212,
107.8593, 102.7257

 3.3330, 0.3280,
0.0000

 197.2758,
137.4098, 132.2639

 1.3322, 0.0000,
0.0000

 240.0366,

 0.2071, 0.0000,

171.9175, 166.9824

0.0000

288.5688,
211.7669, 207.2997

■ 0.0000, 0.0000,
0.0000

■ 41.4523, 21.0120,
18.0906

■ 41.4523, 21.0120,
18.0906

■ 41.4502, 21.0111,
18.0803

■ 42.6099, 22.0232,
22.4975

■ 44.3135, 23.9449,
27.6446

■ 46.7010, 27.0470,
33.5982

■ 49.8571, 31.4921,
40.4057

■ 53.8529, 37.4171,
48.1091

■ 58.7513, 44.9416,
56.7468

■ 64.6085, 54.1730,
66.3546

■ 71.4763, 65.2091,
76.9657

■ 79.4024, 78.1406,
88.6118

Harmonies

Analogous

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



39.3569, 21.0120, 47.9012



41.4523, 21.0120, 18.0906



36.5885, 21.0120, 4.7060

Triad

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



41.4523, 21.0120, 18.0906



11.6738, 21.0120, 1.9616



13.9976, 21.0120, 99.8730

Complementary

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



41.4523, 21.0120, 18.0906



37.4306, 68.1893, 33.0415

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.



9.3461, 21.0120, 64.0921



41.4523, 21.0120, 18.0906



8.3002, 21.0120, 8.5642

Square

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



41.4523, 21.0120, 18.0906



18.2208, 21.0120, 0.6566



7.5918, 21.0120, 28.4444



21.8304, 21.0120, 110.2339

Rectangle

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



41.4523, 21.0120, 18.0906



30.6985, 21.0120, 1.7415



7.5918, 21.0120, 28.4444



12.0889, 21.0120, 89.5895

Sweetspot

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



41.4528, 21.0133, 18.0909



69.4113, 58.1606, 71.2578



26.2678, 11.6032, 88.8505



14.2607, 11.5035, 14.2913



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.



41.4528, 21.0133, 18.0909



44.5512, 22.5845, 19.3664



38.4480, 19.9543, 1.8270



16.8201, 16.6109, 18.7992



21.9919, 11.1402, 9.9319



1.9843, 0.9997, 1.1435

Inverse Universe

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



41.4528, 21.0133, 18.0909



44.5512, 22.5845, 19.3664



47.5880, 68.3132, 98.6730



16.8201, 16.6109, 18.7992



21.9919, 11.1402, 9.9319



1.9843, 0.9997, 1.1435

Previews

White Background



This preview shows how the XYZ color 41.4523, 21.0120, 18.0906 looks on a white background.

Color Contrast Check

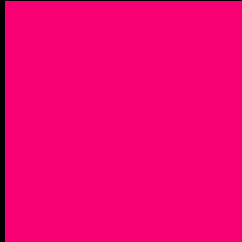
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.4523, 21.0120, 18.0906 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 41.4523, 21.0120, 18.0906

Background



This preview shows how black text looks on a background with the XYZ color 41.4523, 21.0120, 18.0906.



This preview shows how white text looks on a background with the XYZ color 41.4523, 21.0120,

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

41.4523, 21.0120, 18.0906

Protanopia

21.9005, 21.7507, 39.6032

Deuteranopia

21.8455, 21.4817, 16.3596



Tritanopia

38.7589, 21.3765, 4.5659

Trichromacy



Original Color

41.4523, 21.0120, 18.0906



Protanomaly

23.5976, 15.9155, 29.8452



Deuteranomaly

25.2519, 16.7433, 16.3688



Tritanomaly

39.2010, 20.7334, 7.7302

Monochromacy



Original Color

41.4523, 21.0120, 18.0906



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 41.4523, 21.0120, 18.0906 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 41.4523, 21.0120, 18.0906 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, 115) }
```


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

```
.border{ border-color:rgb(247, 0, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4523, 21.0120, 18.0906 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, 115) }
```

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

```
.background{ background-color: rgb(247, 0,  
115) }
```

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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