

Converting Colors

XYZ(41.5271, 22.2000, 18.2131)

Have a look what the booklet for
XYZ(41.5271, 22.2000, 18.2131)
contains.

XYZ(41.5095, 22.1679, 18.3107)	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(41.5095, 22.1679,
18.3107)**

Conversions

Conversions Part 1

Format	Color
Hex	F52873
RGB	245, 40, 115
RGB Percent	96%, 16%, 45%
CMY	0.0392, 0.8431, 0.5490
CMYK	0.00, 0.84, 0.53, 0.04
HSL	338°, 91%, 56%
HSV	338°, 84%, 96%
XYZ	41.5095, 22.1679, 18.3107
YIQ	109.8450, 98.1050, 66.7850

Conversions

Conversions Part 2

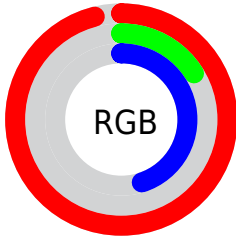
Format	Color
R _Y B	245, 40, 115
Decimal	16066675
CIE Lab	54.20, 76.74, 10.65
CIE LCh	54, 77.478, 7.900
Yxy	22.1679, 0.5063, 0.2704
Android (android.graphics.Color)	4294256755 (0xFFFF52873)
YUV	109.8450, 2.5414, 118.5309
Hunter-Lab	47.0828, 74.9756, 9.8998

Details

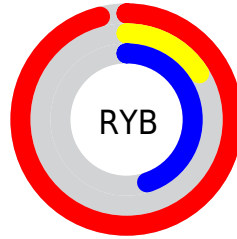
The XYZ color **41.5095, 22.1679, 18.3107** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **40.7858, 68.6591, 49.1431**, and the grayscale version is **14.7527, 15.5210, 16.9024**.

A 20% lighter version of the original color is **53.7910, 35.2019, 40.5188**, and **20.3348, 10.3624, 6.3972** is the 20% darker color. If you saturate the color by 10%, you get **40.1086, 20.6787, 13.7980**, and if you desaturate by 10%, it is **43.5845, 24.7644, 23.7920**.

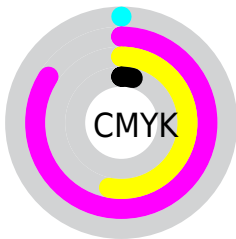
Distribution



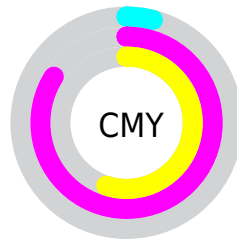
- Red (96%)
- Green (16%)
- Blue (45%)



- Red (96%)
- Yellow (16%)
- Blue (45%)



- Cyan (0%)
- Magenta (84%)
- Yellow (53%)
- Black (4%)



- Cyan (4%)
- Magenta (84%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5095, 22.1679, 18.3107 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 41.5095, 22.1679, 18.3107 by changing the saturation by 10% instead.

41.5095, 22.1679,
18.3107

41.5095, 22.1679,
18.3107

343.4719,
263.4218, 254.9112

28.9068, 13.9803,
11.0015

76.7266, 47.0233,
41.3871

19.1543, 8.1070,
5.9537

100.0717, 64.4600,
57.9914

11.8865, 4.1635,
2.7486

127.7283, 85.7485,
78.5312

6.7381, 1.7654,
0.9677

160.0618,
111.2731, 103.4250

3.3437, 0.4655,
0.0000

197.4376,
141.4184, 133.0914

1.3380, 0.0000,
0.0000

240.2210,

0.2114, 0.0000,

176.5687, 167.9488

0.0000

288.7773,
217.1084, 208.4159

■ 0.0000, 0.0000,
0.0000

■ 41.5095, 22.1679,
18.3107

■ 41.5095, 22.1679,
18.3107

■ 40.1086, 20.6787,
13.7980

■ 43.5845, 24.7644,
23.7920


■ 39.4853, 20.1441,
11.3951


■ 46.4244, 28.6383,
30.3063


■ 50.1068, 33.9342,
37.9121


■ 54.6985, 40.7758,
46.6624

■ 60.2595, 49.2734,
56.6061

 66.8441, 59.5272,
67.7891

 74.5028, 71.6293,
80.2545

 83.2825, 85.6653,
94.0434

 91.4408, 98.1423,
108.5993

Harmonies

Analogous

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



39.9034, 22.1679, 46.1118



41.5095, 22.1679, 18.3107



36.5944, 22.1679, 5.3929

Triad

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



41.5095, 22.1679, 18.3107



12.6100, 22.1679, 2.9260



15.5487, 22.1679, 97.5852

Complementary

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



41.5095, 22.1679, 18.3107



40.7858, 68.6591, 49.1431

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.



10.7057, 22.1679, 65.2714



41.5095, 22.1679, 18.3107



9.3509, 22.1679, 10.5613

Square

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



41.5095, 22.1679, 18.3107



18.9229, 22.1679, 1.1832



8.7612, 22.1679, 31.0843



23.3735, 22.1679, 105.3065

Rectangle

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



41.5095, 22.1679, 18.3107



30.8934, 22.1679, 2.3153



8.7612, 22.1679, 31.0843



13.5868, 22.1679, 88.5394

Sweetspot

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



41.5101, 22.1692, 18.3110



72.1358, 63.5149, 72.4578



33.7840, 16.6399, 87.8170



14.8806, 12.7211, 14.5667



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.



41.5101, 22.1692, 18.3110



43.2281, 22.0552, 12.3990



40.0675, 23.6220, 4.4571



16.7497, 16.5827, 18.4284



21.3324, 10.8764, 6.4586



1.9226, 0.9750, 0.8186

Inverse Universe

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



41.5101, 22.1692, 18.3110



43.2281, 22.0552, 12.3990



42.3429, 57.0154, 95.1592



16.7497, 16.5827, 18.4284



21.3324, 10.8764, 6.4586



1.9226, 0.9750, 0.8186

Previews

White Background



This preview shows how the XYZ color 41.5095, 22.1679, 18.3107 looks on a white background.

Color Contrast Check

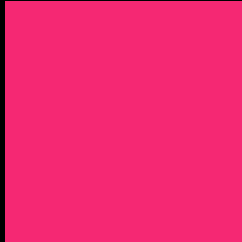
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5095, 22.1679, 18.3107 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 41.5095, 22.1679, 18.3107

Background



This preview shows how black text looks on a background with the XYZ color 41.5095, 22.1679, 18.3107.



This preview shows how white text looks on a background with the XYZ color 41.5095, 22.1679,

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

41.5095, 22.1679, 18.3107

Protanopia

22.3638, 22.4495, 36.4122

Deuteranopia

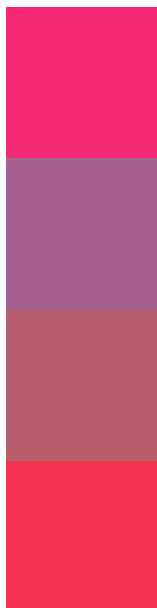
22.6459, 22.2665, 16.4689



Tritanopia

38.8705, 22.1193, 6.3584

Trichromacy



Original Color

41.5095, 22.1679, 18.3107

Protanomaly

25.2451, 18.7785, 28.6796

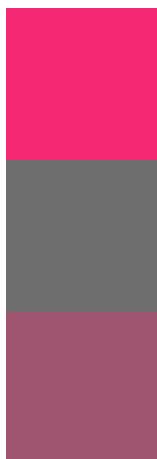
Deuteranomaly

26.7706, 19.4238, 16.8062

Tritanomaly

39.5573, 21.9869, 9.5561

Monochromacy



Original Color

41.5095, 22.1679, 18.3107

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

20.4712, 15.0378, 17.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5095, 22.1679, 18.3107 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(245, 40, 115)` looks like.

```
.text, #text, p{  
    color:rgb(245, 40, 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(245, 40, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 40, 115) }
```

Border

The CSS property to change the border of an element to XYZ 41.5095, 22.1679, 18.3107 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(245, 40, 115) }
```


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

```
.border{ border-color:rgb(245, 40, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 40, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 40, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 40, 115);  
box-shadow:4px 4px 4px 4px rgb(245, 40,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5095, 22.1679, 18.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 40, 115) }
```

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

```
.background{ background-color: rgb(245, 40,  
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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