

Converting Colors

XYZ(42.0559, 22.8920, 20.0548)

Have a look what the booklet for
XYZ(42.0559, 22.8920, 20.0548)
contains.

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Color

**XYZ(42.1447, 22.9652,
19.9807)**

Conversions

Conversions Part 1

Format	Color
Hex	F53178
RGB	245, 49, 120
RGB Percent	96%, 19%, 47%
CMY	0.0392, 0.8078, 0.5294
CMYK	0.00, 0.80, 0.51, 0.04
HSL	338°, 91%, 58%
HSV	338°, 80%, 96%
XYZ	42.1447, 22.9652, 19.9807
YIQ	115.6980, 94.0250, 63.6330

Conversions

Conversions Part 2

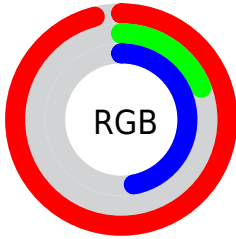
Format	Color
R_{YB}	245, 49, 120
Decimal	16068984
CIE _{Lab}	55.04, 75.08, 8.82
CIE _{LCh}	55, 75.600, 6.703
Yxy	22.9652, 0.4953, 0.2699
Android (android.graphics.Color)	4294259064 (0xFFFF53178)
YUV	115.6980, 2.1209, 113.3979
Hunter-Lab	47.9220, 73.1171, 8.8249

Details

The XYZ color **42.1447, 22.9652, 19.9807** 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 **41.5613, 69.0147, 51.1834**, and the grayscale version is **16.4840, 17.3425, 18.8859**.

A 20% lighter version of the original color is **54.8171, 36.5000, 43.1858**, and **20.4611, 10.4130, 7.0624** is the 20% darker color. If you saturate the color by 10%, you get **40.5112, 21.0943, 15.1329**, and if you desaturate by 10%, it is **44.4902, 26.0127, 25.8297**.

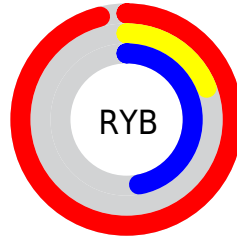
Distribution



Red (96%)

Green (19%)

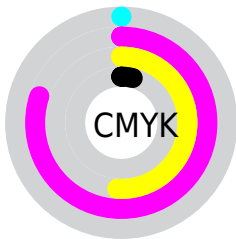
Blue (47%)



Red (96%)

Yellow (19%)

Blue (47%)

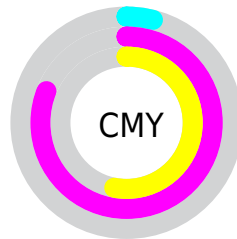


Cyan (0%)

Magenta (80%)

Yellow (51%)

Black (4%)



Cyan (4%)


Magenta (81%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1447, 22.9652, 19.9807 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 42.1447, 22.9652, 19.9807 by changing the saturation by 10% instead.


 42.1447, 22.9652,
19.9807


 42.1447, 22.9652,
19.9807


346.0639,
267.5462, 264.4114


 29.4062, 14.5678,
12.1971


 77.6824, 48.3362,
44.2434


 19.5342, 8.5166,
6.7539


 101.2123, 66.0786,
61.5595


 12.1632, 4.4273,
3.2326


 129.0700, 87.7047,
82.8902

 6.9279, 1.9153,
1.2146

 161.6209,
113.5991, 108.6540

 3.4630, 0.5576,
0.0000

 199.2304,
144.1460, 139.2695

 1.4031, 0.0000,
0.0000

242.2639,

 0.2584, 0.0000,

179.7299, 175.1552

0.0000

291.0865,
220.7352, 216.7297

■ 0.0000, 0.0000,
0.0000

■ 42.1447, 22.9652,
19.9807

■ 42.1447, 22.9652,
19.9807

■ 40.5112, 21.0943,
15.1329

■ 44.4902, 26.0127,
25.8297

■ 39.4489, 20.1298,
11.2020


■ 47.6318, 30.3935,
32.7420


■ 39.4482, 20.1293,
11.1995


■ 51.6431, 36.2443,
40.7746


■ 56.5883, 43.6834,
49.9795

■ 62.5251, 52.8172,
60.4050

 69.5065, 63.7425,
72.0965

 77.5817, 76.5491,
85.0968

 86.7966, 91.3206,
99.4466

 91.4661, 98.1524,
108.7323

Harmonies

Analogous

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



40.2996, 22.9652, 48.1532



42.1447, 22.9652, 19.9807



37.5258, 22.9652, 6.2849

Triad

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



42.1447, 22.9652, 19.9807



13.5205, 22.9652, 3.2225



16.0373, 22.9652, 96.2011

Complementary

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



42.1447, 22.9652, 19.9807



41.5613, 69.0147, 51.1834

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.



11.2617, 22.9652, 64.1443



42.1447, 22.9652, 19.9807



10.0909, 22.9652, 10.7988

Square

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



42.1447, 22.9652, 19.9807



19.9945, 22.9652, 1.4489



9.3859, 22.9652, 30.8084



23.7697, 22.9652, 104.9461

Rectangle

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



42.1447, 22.9652, 19.9807



31.9612, 22.9652, 2.8364



9.3859, 22.9652, 30.8084



14.1005, 22.9652, 87.1093

Sweetspot

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



42.1453, 22.9665, 19.9811



72.8776, 64.7107, 73.5921



34.8448, 17.6907, 87.9641



15.0221, 12.9495, 14.7824



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.



42.1453, 22.9665, 19.9811



43.5964, 22.3797, 13.7924



40.7370, 24.6866, 5.5255



16.7472, 16.5817, 18.4151



21.3120, 10.8682, 6.3513



1.9206, 0.9742, 0.8081

Inverse Universe

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



42.1453, 22.9665, 19.9811



43.5964, 22.3797, 13.7924



43.0461, 57.8405, 95.2815



16.7472, 16.5817, 18.4151



21.3120, 10.8682, 6.3513



1.9206, 0.9742, 0.8081

Previews

White Background



This preview shows how the XYZ color 42.1447, 22.9652, 19.9807 looks on a white background.

Color Contrast Check

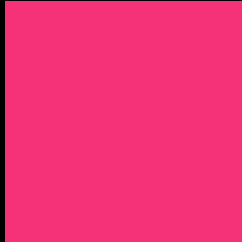
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1447, 22.9652, 19.9807 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 42.1447, 22.9652, 19.9807

Background



This preview shows how black text looks on a background with the XYZ color 42.1447, 22.9652, 19.9807.



This preview shows how white text looks on a background with the XYZ color 42.1447, 22.9652,

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

42.1447, 22.9652, 19.9807

Protanopia

23.1293, 23.1980, 38.3806

Deuteranopia

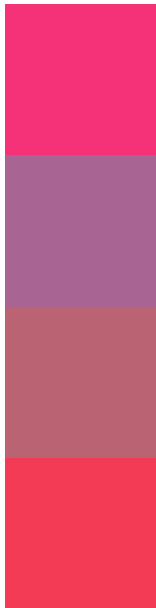
23.4075, 23.0018, 18.2450



Tritanopia

39.4347, 22.9374, 7.5032

Trichromacy



Original Color

42.1447, 22.9652, 19.9807

Protanomaly

26.1474, 19.7703, 30.4549

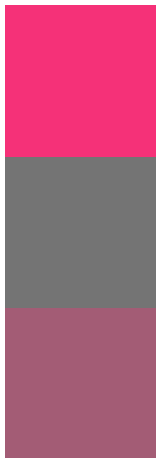
Deuteranomaly

27.7488, 20.5777, 18.4290

Tritanomaly

40.2058, 22.8545, 11.0964

Monochromacy



Original Color

42.1447, 22.9652, 19.9807

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

22.1423, 16.7252, 18.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1447, 22.9652, 19.9807 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, 49, 120)` looks like.

```
.text, #text, p{  
    color:rgb(245, 49, 120)  
}
```

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, 49, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 49, 120) }
```

Border

The CSS property to change the border of an element to XYZ 42.1447, 22.9652, 19.9807 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, 49, 120) }
```


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

```
.border{ border-color:rgb(245, 49, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 49, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 49, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 49, 120);  
box-shadow:4px 4px 4px 4px rgb(245, 49,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1447, 22.9652, 19.9807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 49, 120) }
```

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

```
.background{ background-color: rgb(245, 49,  
120) }
```

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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