

Converting Colors

XYZ(42.3551, 22.3303, 23.7695)

Have a look what the booklet for
XYZ(42.3551, 22.3303, 23.7695)
contains.

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Color

**XYZ(42.4826, 22.4016,
23.9146)**

Conversions

Conversions Part 1

Format	Color
Hex	F52584
RGB	245, 37, 132
RGB Percent	96%, 15%, 52%
CMY	0.0392, 0.8548, 0.4824
CMYK	0.00, 0.85, 0.46, 0.04
HSL	333°, 91%, 55%
HSV	333°, 85%, 96%
XYZ	42.4826, 22.4016, 23.9146
YIQ	110.0220, 93.4730, 73.6410

Conversions

Conversions Part 2

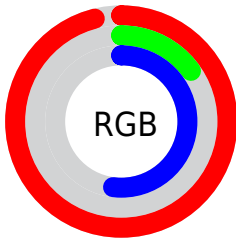
Format	Color
R_{YB}	245, 37, 132
Decimal	16065924
CIE _{Lab}	54.45, 78.63, 0.80
CIE _{LCh}	54, 78.629, 0.581
Yxy	22.4016, 0.4784, 0.2523
Android (android.graphics.Color)	4294256004 (0xFFFF52584)
YUV	110.0220, 10.8352, 118.3757
Hunter-Lab	47.3303, 77.3894, 3.1738

Details

The XYZ color **42.4826, 22.4016, 23.9146** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **38.9228, 67.9010, 39.9182**, and the grayscale version is **14.7816, 15.5514, 16.9355**.

A 20% lighter version of the original color is **55.4656, 35.7001, 49.8664**, and **20.8527, 10.5696, 9.1247** is the 20% darker color. If you saturate the color by 10%, you get **41.1051, 21.0126, 19.2443**, and if you desaturate by 10%, it is **44.4877, 24.8599, 29.3679**.

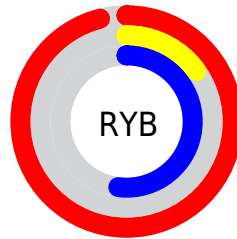
Distribution



Red (96%)

Green (15%)

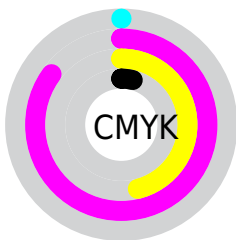
Blue (52%)



Red (96%)

Yellow (15%)

Blue (52%)

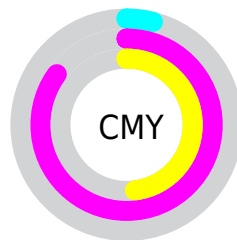


Cyan (0%)

Magenta (85%)

Yellow (46%)

Black (4%)



Cyan (4%)


Magenta (85%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4826, 22.4016, 23.9146 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 42.4826, 22.4016, 23.9146 by changing the saturation by 10% instead.

 42.4826, 22.4016,
23.9146


 42.4826, 22.4016,
23.9146


347.4373,
264.6364, 285.6611

 29.6721, 14.1523,
15.0587


 78.1901, 47.4089,
50.8329


 19.7367, 8.2267,
8.7135


 101.8178, 64.9356,
69.7323


 12.3109, 4.2403,
4.4605


 129.7820, 86.3236,
92.8167

 7.0295, 1.8089,
1.8812

 162.4480,
111.9573, 120.5045

 3.5271, 0.4927,
0.4808

 200.1812,
142.2210, 153.2143

 1.4382, 0.0000,
0.0000

243.3469,

 0.2832, 0.0000,

177.4992, 191.3646

0.0000

292.3105,
218.1762, 235.3740

■ 0.0000, 0.0000,
0.0000

■ 42.4826, 22.4016,
23.9146

■ 42.4826, 22.4016,
23.9146

■ 41.1051, 21.0126,
19.2443

■ 44.4877, 24.8599,
29.3679

■ 40.5743, 20.5797,
17.1294


■ 47.2110, 28.5617,
35.6544


■ 50.7286, 33.6534,
42.8189


■ 55.1061, 40.2598,
50.9018

■ 60.4017, 48.4917,
59.9402

 66.6683, 58.4495,
69.9689

 73.9548, 70.2254,
81.0204

 82.3063, 83.9049,
93.1257

 90.9556, 97.9482,
106.0443

Harmonies

Analogous

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



39.1925, 22.4016, 55.8410



42.4826, 22.4016, 23.9146



38.9413, 22.4016, 7.3581

Triad

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



42.4826, 22.4016, 23.9146



13.9373, 22.4016, 2.1163



14.1573, 22.4016, 93.2890

Complementary

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



42.4826, 22.4016, 23.9146



38.9228, 67.9010, 39.9182

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.



9.9912, 22.4016, 57.2979



42.4826, 22.4016, 23.9146



9.8903, 22.4016, 7.7385

Square

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



42.4826, 22.4016, 23.9146



21.1249, 22.4016, 1.0702



8.6659, 22.4016, 24.8748



21.4601, 22.4016, 109.0324

Rectangle

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



42.4826, 22.4016, 23.9146



33.6160, 22.4016, 3.0475



8.6659, 22.4016, 24.8748



12.4217, 22.4016, 82.3340

Sweetspot

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



42.4832, 22.4029, 23.9150



72.8918, 63.8173, 76.4386



29.3462, 14.2077, 87.5816



15.0593, 12.7926, 15.5077



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.



42.4832, 22.4029, 23.9150



44.4187, 22.5315, 18.6690



38.8894, 21.3441, 3.8223



16.8139, 16.6084, 18.7663



21.9262, 11.1139, 9.5859



1.9783, 0.9973, 1.1121

Inverse Universe

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



42.4832, 22.4029, 23.9150



44.4187, 22.5315, 18.6690



47.8392, 68.1744, 97.0235



16.8139, 16.6084, 18.7663



21.9262, 11.1139, 9.5859



1.9783, 0.9973, 1.1121

Previews

White Background



This preview shows how the XYZ color 42.4826, 22.4016, 23.9146 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 42.4826, 22.4016, 23.9146 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 42.4826, 22.4016, 23.9146

Background



This preview shows how black text looks on a background with the XYZ color 42.4826, 22.4016, 23.9146.



This preview shows how white text looks on a background with the XYZ color 42.4826, 22.4016,

23.9146.

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

42.4826, 22.4016, 23.9146

Protanopia

23.4414, 22.7386, 48.5009

Deuteranopia

23.0063, 22.5299, 21.5485



Tritanopia

38.8416, 22.3971, 6.9785

Trichromacy



Original Color

42.4826, 22.4016, 23.9146



Protanomaly

25.8747, 18.7637, 37.8553



Deuteranomaly

27.2970, 19.5790, 22.0791



Tritanomaly

39.6074, 22.0378, 11.3987

Monochromacy



Original Color

42.4826, 22.4016, 23.9146



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

20.6613, 14.8654, 18.9199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4826, 22.4016, 23.9146 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, 37, 132)` looks like.

```
.text, #text, p{  
    color:rgb(245, 37, 132)  
}
```

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, 37, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 37, 132) }
```

Border

The CSS property to change the border of an element to XYZ 42.4826, 22.4016, 23.9146 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, 37, 132) }
```


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

```
.border{ border-color:rgb(245, 37, 132) }
```

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

Here you see how a box with a 4 pixel rgb(245, 37, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 37, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 37, 132);  
box-shadow:4px 4px 4px 4px rgb(245, 37,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4826, 22.4016, 23.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 37, 132) }
```

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

```
.background{ background-color: rgb(245, 37,  
132) }
```

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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