

Converting Colors

XYZ(44.4857, 23.5250, 16.0412)

Have a look what the booklet for
XYZ(44.4857, 23.5250, 16.0412)
contains.

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Color

**XYZ(44.4949, 23.5236,
16.1053)**

Conversions

Conversions Part 1

Format	Color
Hex	FF236B
RGB	255, 35, 107
RGB Percent	100%, 14%, 42%
CMY	0.0000, 0.8626, 0.5804
CMYK	0.00, 0.86, 0.58, 0.00
HSL	340°, 100%, 57%
HSV	340°, 86%, 100%
XYZ	44.4949, 23.5236, 16.1053
YIQ	108.9880, 108.0080, 69.0320

Conversions

Conversions Part 2

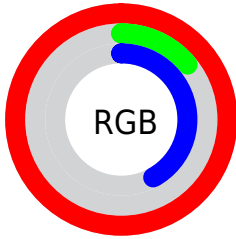
Format	Color
R_{YB}	255, 35, 107
Decimal	16720747
CIE Lab	55.61, 79.58, 17.69
CIE LCh	56, 81.523, 12.533
Yxy	23.5236, 0.5289, 0.2796
Android (android.graphics.Color)	4294910827 (0xFFFF236B)
YUV	108.9880, -0.9801, 128.0525
Hunter-Lab	48.5011, 78.8788, 14.2629

Details

The XYZ color **44.4949, 23.5236, 16.1053** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **45.0037, 75.2974, 56.9750**, and the grayscale version is **14.5172, 15.2732, 16.6325**.

A 20% lighter version of the original color is **52.8802, 34.6659, 36.2518**, and **22.3015, 11.4026, 5.3005** is the 20% darker color. If you saturate the color by 10%, you get **43.1821, 22.2022, 11.6476**, and if you desaturate by 10%, it is **46.5314, 26.0062, 21.6881**.

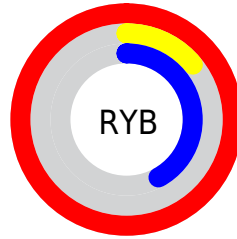
Distribution



Red (100%)

Green (14%)

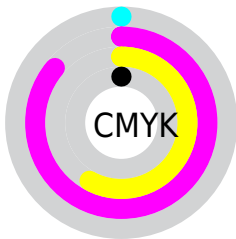
Blue (42%)



Red (100%)

Yellow (14%)

Blue (42%)

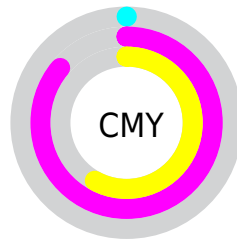


Cyan (0%)

Magenta (86%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4949, 23.5236, 16.1053 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 44.4949, 23.5236, 16.1053 by changing the saturation by 10% instead.

 44.4949, 23.5236,
16.1053


 44.4949, 23.5236,
16.1053


355.5422,
270.4030, 241.8292


 31.2593, 14.9806,
9.4435


 81.2037, 49.2517,
37.5502


 20.9492, 8.8058,
4.9309


 105.4076, 67.2055,
53.1705


 13.1991, 4.6147,
2.1487


 133.9984, 89.0651,
72.6140

 7.6438, 2.0230,
0.6445

 167.3413,
115.2148, 96.2993

 3.9177, 0.6208,
0.0000

 205.8019,
146.0391, 124.6449

 1.6557, 0.0000,
0.0000

249.7453,

 0.4283, 0.0000,

181.9223, 158.0694

0.0000

299.5369,
223.2488, 196.9913

■ 0.0000, 0.0000,
0.0000

■ 44.4949, 23.5236,
16.1053

■ 44.4949, 23.5236,
16.1053

■ 43.1821, 22.2022,
11.6476

■ 46.5314, 26.0062,
21.6881

■ 42.8180, 21.8912,
10.2407

■ 49.4007, 29.8520,
28.4800

■ 53.1938, 35.2286,
36.5563

■ 57.9886, 42.2782,
45.9848

■ 63.8543, 51.1266,
56.8279

70.8537, 61.8872,
69.1440

79.0447, 74.6643,
82.9877

88.4811, 89.5546,
98.4109

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



43.8732, 23.5236, 44.0607



44.4949, 23.5236, 16.1053



38.1192, 23.5236, 4.3461

Triad

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



44.4949, 23.5236, 16.1053



12.3932, 23.5236, 3.4664



17.4512, 23.5236, 110.8971

Complementary

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



44.4949, 23.5236, 16.1053



45.0037, 75.2974, 56.9750

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.



11.6795, 23.5236, 77.5018



44.4949, 23.5236, 16.1053



9.3592, 23.5236, 13.2027

Square

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



44.4949, 23.5236, 16.1053



18.7302, 23.5236, 1.1500



9.1401, 23.5236, 38.2763



26.4275, 23.5236, 113.9276

Rectangle

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



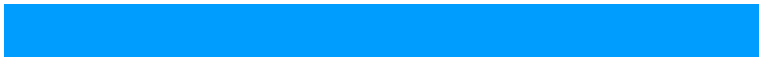
44.4949, 23.5236, 16.1053



31.5659, 23.5236, 1.8190



9.1401, 23.5236, 38.2763



15.1421, 23.5236, 102.1587

Sweetspot

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



44.4955, 23.5250, 16.1056



71.0550, 62.1990, 69.4905



37.8664, 18.3291, 96.1494



14.6592, 12.4636, 13.9213



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.



44.4955, 23.5250, 16.1056



42.8182, 21.8913, 10.2407



43.8408, 25.9759, 4.2953



18.2544, 18.0851, 19.9568



22.4342, 11.4630, 5.6710



2.2322, 1.1352, 0.8041

Inverse Universe

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



44.4955, 23.5250, 16.1056



42.8182, 21.8913, 10.2407



43.9029, 57.8956, 103.4684



18.2544, 18.0851, 19.9568



22.4342, 11.4630, 5.6710



2.2322, 1.1352, 0.8041

Previews

White Background



This preview shows how the XYZ color 44.4949, 23.5236, 16.1053 looks on a white background.

Color Contrast Check

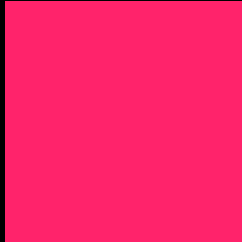
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.4949, 23.5236, 16.1053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

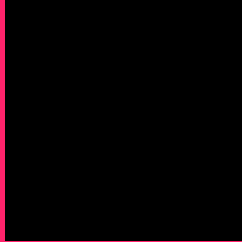
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4949, 23.5236, 16.1053

Background



This preview shows how black text looks on a background with the XYZ color 44.4949, 23.5236, 16.1053.

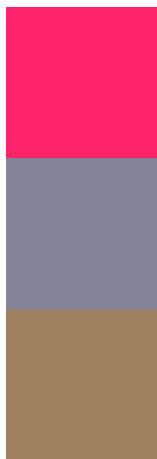


This preview shows how white text looks on a background with the XYZ color 44.4949, 23.5236,

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

44.4949, 23.5236, 16.1053

Protanopia

23.3335, 23.8347, 32.6489

Deuteranopia

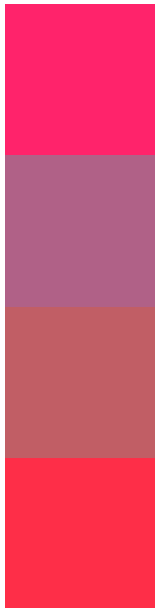
23.9774, 23.5705, 14.5951



Tritanopia

42.3558, 23.5866, 5.5691

Trichromacy



Original Color

44.4949, 23.5236, 16.1053

Protanomaly

26.5524, 19.5288, 25.2916

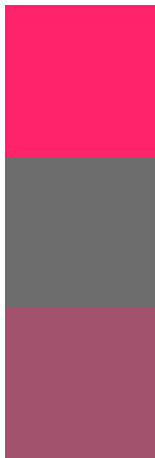
Deuteranomaly

28.3440, 20.2824, 14.7329

Tritanomaly

43.0197, 23.4927, 8.3980

Monochromacy



Original Color

44.4949, 23.5236, 16.1053

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

20.6244, 14.7987, 15.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4949, 23.5236, 16.1053 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(255, 35, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 107)  
}
```

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(255, 35, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 107) }
```

Border

The CSS property to change the border of an element to XYZ 44.4949, 23.5236, 16.1053 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(255, 35, 107) }
```


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

```
.border{ border-color:rgb(255, 35, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 35, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4949, 23.5236, 16.1053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 107) }
```

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

```
.background{ background-color: rgb(255, 35,  
107) }
```

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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