

Converting Colors

XYZ(67.8712, 36.5074, 20.4695)

Have a look what the booklet for
XYZ(67.8712, 36.5074, 20.4695)
contains.

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Color

**XYZ(45.7831, 25.1142,
19.5740)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3576
RGB	255, 53, 118
RGB Percent	100%, 21%, 46%
CMY	0.0000, 0.7921, 0.5373
CMYK	0.00, 0.79, 0.54, 0.00
HSL	341°, 100%, 60%
HSV	341°, 79%, 100%
XYZ	45.7831, 25.1142, 19.5740
YIQ	120.8080, 99.5270, 63.0390

Conversions

Conversions Part 2

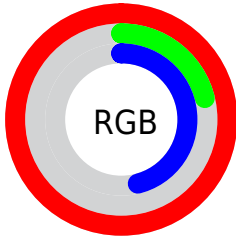
Format	Color
R_{YB}	255, 53, 118
Decimal	16725366
CIE _{Lab}	57.19, 76.49, 13.31
CIE _{LCh}	57, 77.635, 9.870
Yxy	25.1142, 0.5061, 0.2776
Android (android.graphics.Color)	4294915446 (0xFFFF3576)
YUV	120.8080, -1.3843, 117.6864
Hunter-Lab	50.1141, 75.3740, 11.9218

Details

The XYZ color **45.7831, 25.1142, 19.5740** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **46.5250, 75.9954, 60.9409**, and the grayscale version is **18.0963, 19.0387, 20.7331**.

A 20% lighter version of the original color is **55.0925, 37.3559, 42.3369**, and **22.5913, 11.5186, 6.8270** is the 20% darker color. If you saturate the color by 10%, you get **43.9782, 23.0015, 14.3580**, and if you desaturate by 10%, it is **48.3952, 28.5401, 25.9893**.

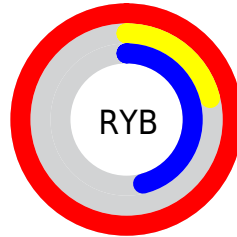
Distribution



Red (100%)

Green (21%)

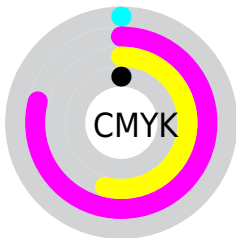
Blue (46%)



Red (100%)

Yellow (21%)

Blue (46%)

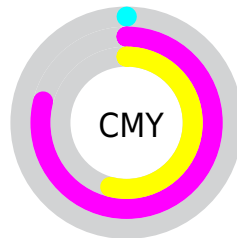


Cyan (0%)

Magenta (79%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7831, 25.1142, 19.5740 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 45.7831, 25.1142, 19.5740 by changing the saturation by 10% instead.


 45.7831, 25.1142,
19.5740


 45.7831, 25.1142,
19.5740

360.6665,
278.4062, 262.1270


 32.2786, 16.1622,
11.9048


 83.1241, 51.8424,
43.5513


 21.7310, 9.6390,
6.5571


 107.6914, 70.3874,
60.6965

 13.7748, 5.1602,
3.1125


 136.6769, 92.8988,
81.8375

 8.0449, 2.3416,
1.1524

 170.4461,
119.7611, 107.3927

 4.1757, 0.7956,
0.0000

 209.3643,
151.3585, 137.7807

 1.8020, 0.0000,
0.0000

253.7969,

 0.5189, 0.0000,

188.0756, 173.4200

0.0000

304.1092,
230.2967, 214.7293

■ 0.0000, 0.0000,
0.0000

■ 45.7831, 25.1142,
19.5740

■ 45.7831, 25.1142,
19.5740

■ 43.9782, 23.0015,
14.3580

■ 48.3952, 28.5401,
25.9893

■ 42.8389, 21.9346,
10.2425

■ 51.9080, 33.4504,
33.6814

■ 42.7644, 21.8697,
9.9581

■ 56.4034, 39.9950,
42.7217

■ 61.9533, 48.3039,
53.1753

■ 68.6223, 58.4941,
65.1027

■ 76.4699, 70.6725,
78.5605

■ 85.5511, 84.9376,
93.6025

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.



44.5353, 25.1142, 48.6534



45.7831, 25.1142, 19.5740



40.1123, 25.1142, 6.0733

Triad

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



45.7831, 25.1142, 19.5740



14.2614, 25.1142, 4.0203



18.3042, 25.1142, 107.3814

Complementary

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



45.7831, 25.1142, 19.5740



46.5250, 75.9954, 60.9409

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.



12.7381, 25.1142, 74.1390



45.7831, 25.1142, 19.5740



10.8523, 25.1142, 13.3931

Square

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



45.7831, 25.1142, 19.5740



20.9751, 25.1142, 1.6706



10.3771, 25.1142, 36.9409



27.0203, 25.1142, 113.3021

Rectangle

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



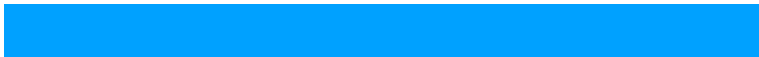
45.7831, 25.1142, 19.5740



33.8547, 25.1142, 2.8007



10.3771, 25.1142, 36.9409



16.0716, 25.1142, 98.3474

Sweetspot

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



45.7837, 25.1157, 19.5744



72.5598, 64.5836, 71.9188



39.9821, 20.4175, 96.4410



14.9469, 12.9194, 14.3860



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.



45.7837, 25.1157, 19.5744



43.2557, 22.2915, 11.8501



45.2652, 28.2819, 6.4434



18.2502, 18.0834, 19.9348



22.4055, 11.4515, 5.5196



2.2290, 1.1340, 0.7873

Inverse Universe

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



45.7837, 25.1157, 19.5744



43.2557, 22.2915, 11.8501



45.4642, 59.8677, 103.7667



18.2502, 18.0834, 19.9348



22.4055, 11.4515, 5.5196



2.2290, 1.1340, 0.7873

Previews

White Background



This preview shows how the XYZ color 45.7831, 25.1142, 19.5740 looks on a white background.

Color Contrast Check

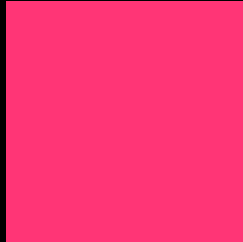
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7831, 25.1142, 19.5740 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 45.7831, 25.1142, 19.5740

Background



This preview shows how black text looks on a background with the XYZ color 45.7831, 25.1142, 19.5740.



This preview shows how white text looks on a background with the XYZ color 45.7831, 25.1142,

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

45.7831, 25.1142, 19.5740

Protanopia

24.9100, 25.1681, 37.2632

Deuteranopia

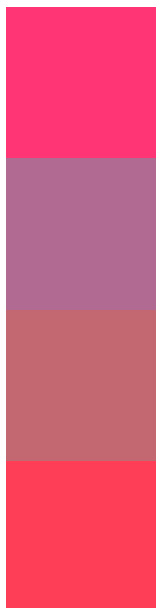
25.6560, 25.1623, 17.6920



Tritanopia

43.4996, 25.1964, 8.0396

Trichromacy



Original Color

45.7831, 25.1142, 19.5740

Protanomaly

28.3963, 21.6995, 29.4798

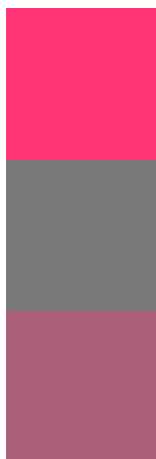
Deuteranomaly

30.2806, 22.4724, 18.0709

Tritanomaly

44.2215, 25.0802, 11.3143

Monochromacy



Original Color

45.7831, 25.1142, 19.5740

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

24.1506, 18.2679, 20.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7831, 25.1142, 19.5740 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, 53, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 118)  
}
```

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, 53, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 118) }
```

Border

The CSS property to change the border of an element to XYZ 45.7831, 25.1142, 19.5740 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, 53, 118) }
```


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

```
.border{ border-color:rgb(255, 53, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7831, 25.1142, 19.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 118) }
```

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

```
.background{ background-color: rgb(255, 53,  
118) }
```

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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