

Converting Colors

XYZ(45.4063, 23.9862, 20.6024)

Have a look what the booklet for
XYZ(45.4063, 23.9862, 20.6024)
contains.

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Color

**XYZ(45.4144, 23.9883,
20.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	FF257A
RGB	255, 37, 122
RGB Percent	100%, 15%, 48%
CMY	0.0000, 0.8548, 0.5216
CMYK	0.00, 0.85, 0.52, 0.00
HSL	337°, 100%, 57%
HSV	337°, 85%, 100%
XYZ	45.4144, 23.9883, 20.6489
YIQ	111.8720, 102.6430, 72.6510

Conversions

Conversions Part 2

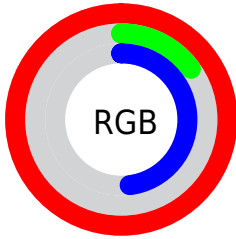
Format	Color
R_{YB}	255, 37, 122
Decimal	16721274
CIE _{Lab}	56.08, 80.22, 9.36
CIE _{LCh}	56, 80.762, 6.658
Yxy	23.9883, 0.5043, 0.2664
Android (android.graphics.Color)	4294911354 (0xFFFF257A)
YUV	111.8720, 4.9931, 125.5233
Hunter-Lab	48.9779, 79.8017, 9.2880

Details

The XYZ color **45.4144, 23.9883, 20.6489** 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 **43.7816, 74.8166, 50.1756**, and the grayscale version is **15.3319, 16.1303, 17.5659**.

A 20% lighter version of the original color is **54.4559, 35.4679, 44.0202**, and **22.7219, 11.5708, 7.5144** is the 20% darker color. If you saturate the color by 10%, you get **43.9901, 22.5613, 15.7925**, and if you desaturate by 10%, it is **47.5467, 26.5847, 26.5032**.

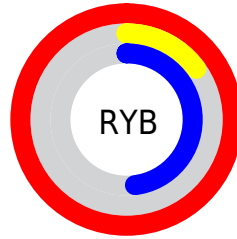
Distribution



Red (100%)

Green (15%)

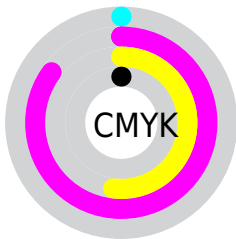
Blue (48%)



Red (100%)

Yellow (15%)

Blue (48%)

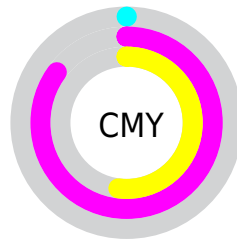


Cyan (0%)

Magenta (85%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (85%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4144, 23.9883, 20.6489 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 45.4144, 23.9883, 20.6489 by changing the saturation by 10% instead.


 45.4144, 23.9883,
20.6489


 45.4144, 23.9883,
20.6489


359.2048,
272.7613, 268.1261


 31.9866, 15.3249,
12.6789


 82.5752, 50.0111,
45.3756


 21.5068, 9.0478,
7.0797


 107.0389, 68.1393,
62.9694


 13.6095, 4.7723,
3.4328


 135.9119, 90.1913,
84.6082

 7.9295, 2.1143,
1.3196

 169.5596,
116.5515, 110.7106

 4.1013, 0.6727,
0.0778

 208.3475,
147.6041, 141.6950

 1.7596, 0.0000,
0.0000

252.6407,

 0.4931, 0.0000,

183.7337, 177.9800

0.0000

302.8047,
225.3247, 219.9842

■ 0.0000, 0.0000,
0.0000

■ 45.4144, 23.9883,
20.6489

■ 45.4144, 23.9883,
20.6489

■ 43.9901, 22.5613,
15.7925

■ 47.5467, 26.5847,
26.5032

■ 43.5116, 22.1686,
13.8929

■ 50.4911, 30.5472,
33.4233

■ 54.3348, 36.0400,
41.4701

■ 59.1525, 43.2028,
50.6987

■ 65.0107, 52.1595,
61.1596

71.9699, 63.0219,
72.9002

80.0856, 75.8929,
85.9650

89.4095, 90.8677,
100.3963

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.



43.3329, 23.9883, 51.9386



45.4144, 23.9883, 20.6489



40.2462, 23.9883, 5.9868

Triad

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



45.4144, 23.9883, 20.6489



13.7465, 23.9883, 2.8641



16.4555, 23.9883, 106.3249

Complementary

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



45.4144, 23.9883, 20.6489



43.7816, 74.8166, 50.1756

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.



11.3036, 23.9883, 69.8453



45.4144, 23.9883, 20.6489



10.0609, 23.9883, 10.6915

Square

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



45.4144, 23.9883, 20.6489



20.8002, 23.9883, 1.1635



9.3065, 23.9883, 32.4791



24.9244, 23.9883, 116.3767

Rectangle

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



45.4144, 23.9883, 20.6489



34.0365, 23.9883, 2.4941



9.3065, 23.9883, 32.4791



14.3567, 23.9883, 95.9389

Sweetspot

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



45.4150, 23.9897, 20.6493



71.5807, 62.4093, 72.2583



34.8202, 16.8486, 96.0242



14.7822, 12.5128, 14.5692



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.



45.4150, 23.9897, 20.6493



43.5118, 22.1687, 13.8929



43.1290, 24.5033, 4.2088



18.3025, 18.1043, 20.2103



22.8037, 11.6108, 7.6166



2.2720, 1.1512, 1.0138

Inverse Universe

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



45.4150, 23.9897, 20.6493



43.5118, 22.1687, 13.8929



48.0099, 66.0060, 104.8174



18.3025, 18.1043, 20.2103



22.8037, 11.6108, 7.6166



2.2720, 1.1512, 1.0138

Previews

White Background



This preview shows how the XYZ color 45.4144, 23.9883, 20.6489 looks on a white background.

Color Contrast Check

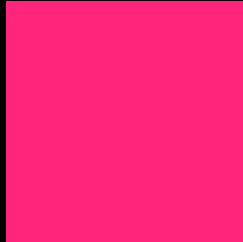
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4144, 23.9883, 20.6489 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 45.4144, 23.9883, 20.6489

Background



This preview shows how black text looks on a background with the XYZ color 45.4144, 23.9883, 20.6489.



This preview shows how white text looks on a background with the XYZ color 45.4144, 23.9883,

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

45.4144, 23.9883, 20.6489

Protanopia

24.1957, 24.0753, 41.8998

Deuteranopia

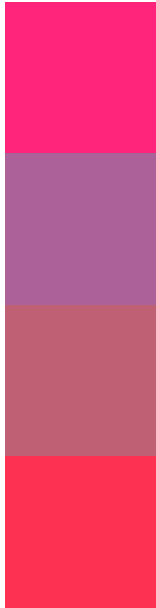
24.6176, 24.2030, 18.7034



Tritanopia

42.4474, 24.0373, 6.5401

Trichromacy



Original Color

45.4144, 23.9883, 20.6489

Protanomaly

27.1307, 19.8059, 32.5300

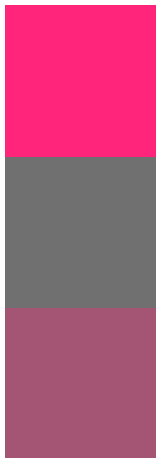
Deuteranomaly

29.0735, 20.8332, 19.0119

Tritanomaly

43.1716, 23.7730, 10.2959

Monochromacy



Original Color

45.4144, 23.9883, 20.6489

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

21.7107, 15.6505, 18.3996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4144, 23.9883, 20.6489 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, 37, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 122)  
}
```

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, 37, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.4144, 23.9883, 20.6489 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, 37, 122) }
```


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

```
.border{ border-color:rgb(255, 37, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 37, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4144, 23.9883, 20.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 122) }
```

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

```
.background{ background-color: rgb(255, 37,  
122) }
```

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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