

Converting Colors

XYZ(45.0984, 23.0717, 21.4212)

Have a look what the booklet for
XYZ(45.0984, 23.0717, 21.4212)
contains.

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Color

**XYZ(45.1125, 23.0823,
21.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F7D
RGB	255, 15, 125
RGB Percent	100%, 6%, 49%
CMY	0.0000, 0.9410, 0.5098
CMYK	0.00, 0.94, 0.51, 0.00
HSL	333°, 100%, 53%
HSV	333°, 94%, 100%
XYZ	45.1125, 23.0823, 21.4797
YIQ	99.3000, 107.7300, 85.0900

Conversions

Conversions Part 2

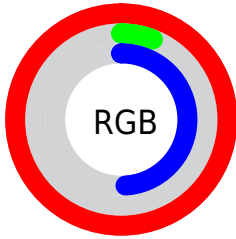
Format	Color
R_{YB}	255, 15, 125
Decimal	16715645
CIE _{Lab}	55.16, 83.31, 6.26
CIE _{LCh}	55, 83.546, 4.296
Yxy	23.0823, 0.5031, 0.2574
Android (android.graphics.Color)	4294905725 (0xFFFF0F7D)
YUV	99.3000, 12.6701, 136.5489
Hunter-Lab	48.0440, 83.5312, 7.1232

Details

The XYZ color **45.1125, 23.0823, 21.4797** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **41.0724, 73.6676, 38.8626**, and the grayscale version is **11.8922, 12.5115, 13.6251**.

A 20% lighter version of the original color is **53.9272, 33.9371, 45.3032**, and **22.8254, 11.6122, 8.0595** is the 20% darker color. If you saturate the color by 10%, you get **44.4417, 22.5407, 18.7908**, and if you desaturate by 10%, it is **46.6641, 24.6736, 26.6586**.

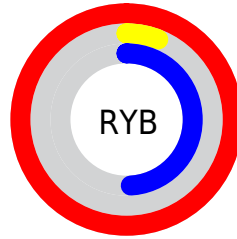
Distribution



Red (100%)

Green (6%)

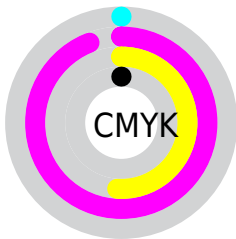
Blue (49%)



Red (100%)

Yellow (6%)

Blue (49%)

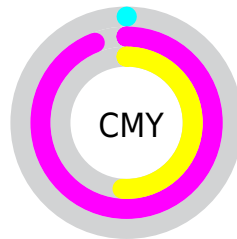


Cyan (0%)

Magenta (94%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1125, 23.0823, 21.4797 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 45.1125, 23.0823, 21.4797 by changing the saturation by 10% instead.


 45.1125, 23.0823,
21.4797


 45.1125, 23.0823,
21.4797


358.0050,
268.1474, 272.6813

 31.7477, 14.6543,
13.2804


 82.1252, 48.5284,
46.7756


 21.3235, 8.5771,
7.4890


 106.5039, 66.3153,
64.7094


 13.4745, 4.4664,
3.6867


 135.2845, 87.9907,
86.7251

 7.8353, 1.9377,
1.4551

 168.8325,
113.9388, 113.2412

 4.0407, 0.5709,
0.1841

 207.5132,
144.5442, 144.6764

 1.7252, 0.0000,
0.0000

251.6919,

 0.4719, 0.0000,

180.1911, 181.4491

0.0000

301.7341,
221.2641, 223.9779

■ 0.0000, 0.0000,
0.0000

■ 45.1125, 23.0823,
21.4797

■ 45.1125, 23.0823,
21.4797

■ 44.4417, 22.5407,
18.7908

■ 46.6641, 24.6736,
26.6586

■ 48.9104, 27.4500,
32.6980

■ 51.9521, 31.6061,
39.6538

■ 55.8719, 37.3002,
47.5748

■ 60.7412, 44.6685,
56.5048

66.6237, 53.8325,
66.4843

73.5773, 64.9018,
77.5513

81.6555, 77.9775,
89.7414

90.9080, 93.1535,
103.0884

Harmonies

Analogous

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



42.3822, 23.0823, 54.6275



45.1125, 23.0823, 21.4797



40.3332, 23.0823, 5.8830

Triad

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



45.1125, 23.0823, 21.4797



13.3084, 23.0823, 2.1034



15.0456, 23.0823, 105.5897

Complementary

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



45.1125, 23.0823, 21.4797



41.0724, 73.6676, 38.8626

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.



10.2109, 23.0823, 66.5843



45.1125, 23.0823, 21.4797



9.4255, 23.0823, 8.7931

Square

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



45.1125, 23.0823, 21.4797



20.6234, 23.0823, 0.8241



8.4777, 23.0823, 29.1780



23.3095, 23.0823, 118.9718

Rectangle

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



45.1125, 23.0823, 21.4797



34.1533, 23.0823, 2.2450



8.4777, 23.0823, 29.1780



13.0513, 23.0823, 94.1324

Sweetspot

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



45.1131, 23.0837, 21.4800



70.7332, 60.3493, 73.1014



29.5532, 13.4048, 95.6372



14.5084, 11.9142, 14.6354



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.



45.1131, 23.0837, 21.4800



44.4419, 22.5407, 18.7908



41.6338, 21.9093, 2.4884



18.3556, 18.1255, 20.4895



23.2952, 11.8074, 10.2047



2.3225, 1.1714, 1.2799

Inverse Universe

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



45.1131, 23.0837, 21.4800



44.4419, 22.5407, 18.7908



51.5089, 73.8443, 106.1460



18.3556, 18.1255, 20.4895



23.2952, 11.8074, 10.2047



2.3225, 1.1714, 1.2799

Previews

White Background



This preview shows how the XYZ color 45.1125, 23.0823, 21.4797 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 45.1125, 23.0823, 21.4797 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 45.1125, 23.0823, 21.4797

Background



This preview shows how black text looks on a background with the XYZ color 45.1125, 23.0823, 21.4797.



This preview shows how white text looks on a background with the XYZ color 45.1125, 23.0823,

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

45.1125, 23.0823, 21.4797

Protanopia

23.9623, 23.4498, 46.4433

Deuteranopia

23.7053, 23.3286, 19.1731



Tritanopia

41.9263, 23.3021, 5.4200

Trichromacy



Original Color

45.1125, 23.0823, 21.4797



Protanomaly

26.0660, 18.0077, 35.3597



Deuteranomaly

27.6645, 18.9432, 19.3379



Tritanomaly

42.5763, 22.8189, 9.3682

Monochromacy



Original Color

45.1125, 23.0823, 21.4797



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.4842, 12.2849, 15.5844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1125, 23.0823, 21.4797 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, 15, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 125)  
}
```

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, 15, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 125) }
```

Border

The CSS property to change the border of an element to XYZ 45.1125, 23.0823, 21.4797 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, 15, 125) }
```


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

```
.border{ border-color:rgb(255, 15, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1125, 23.0823, 21.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 125) }
```

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

```
.background{ background-color: rgb(255, 15,  
125) }
```

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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