

Converting Colors

XYZ(45.5223, 23.9729, 21.3976)

Have a look what the booklet for
XYZ(45.5223, 23.9729, 21.3976)
contains.

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Color

**XYZ(45.5090, 23.9770,
21.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	FF247C
RGB	255, 36, 124
RGB Percent	100%, 14%, 49%
CMY	0.0000, 0.8587, 0.5137
CMYK	0.00, 0.86, 0.51, 0.00
HSL	336°, 100%, 57%
HSV	336°, 86%, 100%
XYZ	45.5090, 23.9770, 21.2982
YIQ	111.5130, 102.2760, 73.7960

Conversions

Conversions Part 2

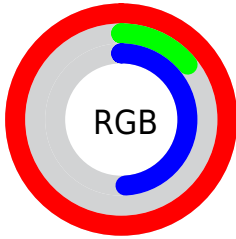
Format	Color
RYB	255, 36, 124
Decimal	16721020
CIELab	56.06, 80.54, 8.15
CIELCh	56, 80.949, 5.780
Yxy	23.9770, 0.5013, 0.2641
Android (android.graphics.Color)	4294911100 (0xFFFF247C)
YUV	111.5130, 6.1561, 125.8381
Hunter-Lab	48.9663, 80.2058, 8.4879

Details

The XYZ color **45.5090, 23.9770, 21.2982** 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 **43.4656, 74.6862, 48.6958**, and the grayscale version is **15.2239, 16.0167, 17.4422**.

A 20% lighter version of the original color is **54.6524, 35.5464, 45.0549**, and **22.7904, 11.5982, 7.8750** is the 20% darker color. If you saturate the color by 10%, you get **44.1008, 22.5872, 16.4316**, and if you desaturate by 10%, it is **47.6157, 26.5252, 27.1343**.

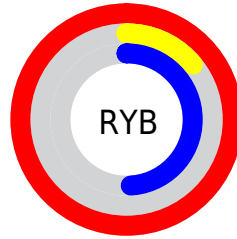
Distribution



Red (100%)

Green (14%)

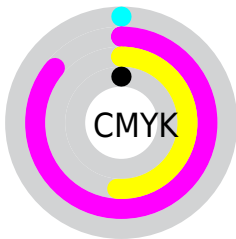
Blue (49%)



Red (100%)

Yellow (14%)

Blue (49%)

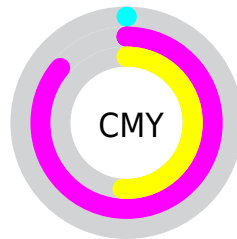


Cyan (0%)

Magenta (86%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5090, 23.9770, 21.2982 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 45.5090, 23.9770, 21.2982 by changing the saturation by 10% instead.

 45.5090, 23.9770,
21.2982


 45.5090, 23.9770,
21.2982


359.5802,
272.7042, 271.6920


 32.0615, 15.3166,
13.1488


 82.7161, 49.9927,
46.4705


 21.5643, 9.0419,
7.3992


 107.2064, 68.1167,
64.3305

 13.6519, 4.7685,
3.6307


 136.1083, 90.1640,
86.2644

 7.9590, 2.1121,
1.4250

 169.7873,
116.5190, 112.6908

 4.1203, 0.6714,
0.1611

 208.6086,
147.5662, 144.0282

 1.7704, 0.0000,
0.0000

252.9376,

 0.4998, 0.0000,

183.6898, 180.6952

0.0000

303.1397,
225.2744, 223.1102

■ 0.0000, 0.0000,
0.0000

■ 45.5090, 23.9770,
21.2982

■ 45.5090, 23.9770,
21.2982

■ 44.1008, 22.5872,
16.4316

■ 47.6157, 26.5252,
27.1343

■ 43.6605, 22.2282,
14.6768

■ 50.5254, 30.4304,
34.0059

■ 54.3256, 35.8577,
41.9720

■ 59.0910, 42.9475,
51.0856

■ 64.8879, 51.8239,
61.3957

71.7768, 62.5992,
72.9479

79.8129, 75.3763,
85.7852

89.0479, 90.2507,
99.9484

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



43.2056, 23.9770, 53.1339



45.5090, 23.9770, 21.2982



40.5151, 23.9770, 6.1945

Triad

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



45.5090, 23.9770, 21.2982



13.8790, 23.9770, 2.7357



16.2337, 23.9770, 105.7662

Complementary

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



45.5090, 23.9770, 21.2982



43.4656, 74.6862, 48.6958

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.



11.1756, 23.9770, 68.7472



45.5090, 23.9770, 21.2982



10.0966, 23.9770, 10.2700

Square

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



45.5090, 23.9770, 21.2982



21.0419, 23.9770, 1.1368



9.2619, 23.9770, 31.5898



24.6311, 23.9770, 116.8905

Rectangle

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



45.5090, 23.9770, 21.2982



34.3495, 23.9770, 2.5625



9.2619, 23.9770, 31.5898



14.1663, 23.9770, 95.1110

Sweetspot

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



45.5096, 23.9784, 21.2986



71.6822, 62.4499, 72.7931



33.9419, 16.3502, 95.9745



14.8060, 12.5224, 14.6947



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.



45.5096, 23.9784, 21.2986



43.6606, 22.2282, 14.6768



42.8906, 24.0512, 4.0528



18.3117, 18.1080, 20.2588



22.8826, 11.6423, 8.0322



2.2803, 1.1545, 1.0574

Inverse Universe

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



45.5096, 23.9784, 21.2986



43.6606, 22.2282, 14.6768



48.9907, 68.0202, 105.1546



18.3117, 18.1080, 20.2588



22.8826, 11.6423, 8.0322



2.2803, 1.1545, 1.0574

Previews

White Background



This preview shows how the XYZ color 45.5090, 23.9770, 21.2982 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 45.5090, 23.9770, 21.2982 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 45.5090, 23.9770, 21.2982

Background



This preview shows how black text looks on a background with the XYZ color 45.5090, 23.9770, 21.2982.



This preview shows how white text looks on a background with the XYZ color 45.5090, 23.9770,

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

45.5090, 23.9770, 21.2982

Protanopia

24.3397, 24.1161, 43.4164

Deuteranopia

24.5375, 24.1487, 19.2875



Tritanopia

42.4474, 24.0373, 6.5401

Trichromacy



Original Color

45.5090, 23.9770, 21.2982



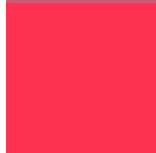
Protanomaly

27.3817, 19.9063, 33.8516



Deuteranomaly

28.9387, 20.7501, 19.6195



Tritanomaly

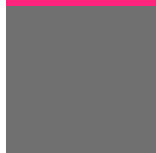
43.2099, 23.7884, 10.4978

Monochromacy



Original Color

45.5090, 23.9770, 21.2982



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.6326, 15.4941, 18.3735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5090, 23.9770, 21.2982 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, 36, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 124)  
}
```

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, 36, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 124) }
```

Border

The CSS property to change the border of an element to XYZ 45.5090, 23.9770, 21.2982 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, 36, 124) }
```


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

```
.border{ border-color:rgb(255, 36, 124) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5090, 23.9770, 21.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 124) }
```

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

```
.background{ background-color: rgb(255, 36,  
124) }
```

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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