

Converting Colors

XYZ(45.2601, 23.4415, 21.3316)

Have a look what the booklet for
XYZ(45.2601, 23.4415, 21.3316)
contains.

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Color

**XYZ(45.2475, 23.4540,
21.2111)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1A7C
RGB	255, 26, 124
RGB Percent	100%, 10%, 49%
CMY	0.0000, 0.8979, 0.5137
CMYK	0.00, 0.90, 0.51, 0.00
HSL	334°, 100%, 55%
HSV	334°, 90%, 100%
XYZ	45.2475, 23.4540, 21.2111
YIQ	105.6430, 105.0260, 79.0260

Conversions

Conversions Part 2

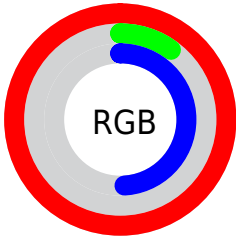
Format	Color
R_{YB}	255, 26, 124
Decimal	16718460
CIE _{Lab}	55.54, 82.06, 7.40
CIE _{LCh}	56, 82.395, 5.153
Yxy	23.4540, 0.5032, 0.2609
Android (android.graphics.Color)	4294908540 (0xFFFF1A7C)
YUV	105.6430, 9.0500, 130.9861
Hunter-Lab	48.4293, 82.0211, 7.9327

Details

The XYZ color **45.2475, 23.4540, 21.2111** 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 **42.2752, 74.1752, 44.0014**, and the grayscale version is **13.5625, 14.2689, 15.5388**.

A 20% lighter version of the original color is **54.2305, 34.7027, 44.9143**, and **22.7904, 11.5982, 7.8750** is the 20% darker color. If you saturate the color by 10%, you get **44.0282, 22.3845, 16.5844**, and if you desaturate by 10%, it is **47.0774, 25.5265, 26.7151**.

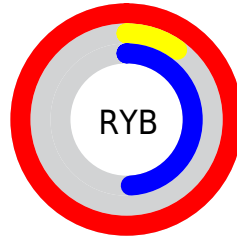
Distribution



Red (100%)

Green (10%)

Blue (49%)



Red (100%)

Yellow (10%)

Blue (49%)

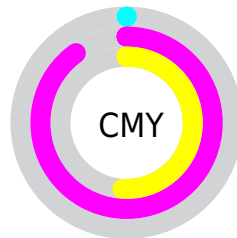


Cyan (0%)

Magenta (90%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (90%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2475, 23.4540, 21.2111 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 45.2475, 23.4540, 21.2111 by changing the saturation by 10% instead.

 45.2475, 23.4540,
21.2111


 45.2475, 23.4540,
21.2111


358.5419,
270.0483, 271.2161


 31.8545, 14.9291,
13.0857


 82.3265, 49.1377,
46.3239


 21.4054, 8.7696,
7.3561


 106.7432, 67.0653,
64.1484


 13.5348, 4.5912,
3.6040


 135.5652, 88.8960,
86.0430

 7.8774, 2.0095,
1.4107

 169.1578,
115.0140, 112.4262

 4.0677, 0.6130,
0.1501

 207.8864,
145.8039, 143.7165

 1.7405, 0.0000,
0.0000

252.1164,

 0.4814, 0.0000,

181.6500, 180.3326

0.0000

302.2131,
222.9367, 222.6929

■ 0.0000, 0.0000,
0.0000

■ 45.2475, 23.4540,
21.2111

■ 45.2475, 23.4540,
21.2111

■ 44.0282, 22.3845,
16.5844

■ 47.0774, 25.5265,
26.7151

■ 44.0059, 22.3664,
16.4959

■ 49.6606, 28.8780,
33.1712

■ 53.0900, 33.6861,
40.6367

■ 57.4437, 40.0988,
49.1622

■ 62.7903, 48.2457,
58.7944

■ 69.1916, 58.2430,
69.5763

■ 76.7041, 70.1968,
81.5485

■ 85.3802, 84.2051,
94.7491

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.



42.7585, 23.4540, 53.6448



45.2475, 23.4540, 21.2111



40.3283, 23.4540, 5.9510

Triad

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



45.2475, 23.4540, 21.2111



13.5050, 23.4540, 2.3866



15.5948, 23.4540, 105.8213

Complementary

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



45.2475, 23.4540, 21.2111



42.2752, 74.1752, 44.0014

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.



10.6409, 23.4540, 67.7916



45.2475, 23.4540, 21.2111



9.6904, 23.4540, 9.5037

Square

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



45.2475, 23.4540, 21.2111



20.7255, 23.4540, 0.9572



8.8106, 23.4540, 30.4153



23.9361, 23.4540, 117.9457

Rectangle

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



45.2475, 23.4540, 21.2111



34.1417, 23.4540, 2.3545



8.8106, 23.4540, 30.4153



13.5610, 23.4540, 94.7751

Sweetspot

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



45.2481, 23.4554, 21.2115



71.1747, 61.3787, 72.7969



32.0879, 15.0062, 95.8127



14.7177, 12.3211, 14.7411



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.



45.2481, 23.4554, 21.2115



44.0061, 22.3664, 16.4960



42.2299, 22.9411, 3.1815



18.3320, 18.1161, 20.3653



23.0653, 11.7154, 8.9944



2.2992, 1.1620, 1.1569

Inverse Universe

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



45.2481, 23.4554, 21.2115



44.0061, 22.3664, 16.4960



49.5589, 69.6044, 105.4304



18.3320, 18.1161, 20.3653



23.0653, 11.7154, 8.9944



2.2992, 1.1620, 1.1569

Previews

White Background



This preview shows how the XYZ color 45.2475, 23.4540, 21.2111 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 45.2475, 23.4540, 21.2111 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 45.2475, 23.4540, 21.2111

Background



This preview shows how black text looks on a background with the XYZ color 45.2475, 23.4540, 21.2111.



This preview shows how white text looks on a background with the XYZ color 45.2475, 23.4540,

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

45.2475, 23.4540, 21.2111

Protanopia

24.0722, 23.7418, 44.9089

Deuteranopia

24.2139, 23.7854, 19.2344



Tritanopia

42.1299, 23.6001, 5.8248

Trichromacy



Original Color

45.2475, 23.4540, 21.2111



Protanomaly

26.6635, 18.8434, 34.5796



Deuteranomaly

28.5830, 20.0387, 19.5009



Tritanomaly

42.8200, 23.2485, 9.6277

Monochromacy



Original Color

45.2475, 23.4540, 21.2111



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.1317, 13.9736, 17.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2475, 23.4540, 21.2111 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, 26, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 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, 26, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 124) }
```

Border

The CSS property to change the border of an element to XYZ 45.2475, 23.4540, 21.2111 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, 26, 124) }
```


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

```
.border{ border-color:rgb(255, 26, 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, 26, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2475, 23.4540, 21.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 124) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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