

Converting Colors

XYZ(45.5924, 23.6679, 22.7940)

Have a look what the booklet for
XYZ(45.5924, 23.6679, 22.7940)
contains.

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Color

**XYZ(45.6177, 23.6755,
22.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C81
RGB	255, 28, 129
RGB Percent	100%, 11%, 51%
CMY	0.0000, 0.8901, 0.4941
CMYK	0.00, 0.89, 0.49, 0.00
HSL	333°, 100%, 55%
HSV	333°, 89%, 100%
XYZ	45.6177, 23.6755, 22.9344
YIQ	107.3870, 102.8710, 79.5350

Conversions

Conversions Part 2

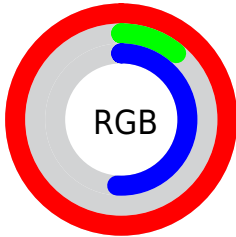
Format	Color
R_{YB}	255, 28, 129
Decimal	16718977
CIE _{Lab}	55.76, 82.16, 4.73
CIE _{LCh}	56, 82.292, 3.294
Yxy	23.6755, 0.4946, 0.2567
Android (android.graphics.Color)	4294909057 (0xFFFF1C81)
YUV	107.3870, 10.6552, 129.4566
Hunter-Lab	48.6575, 82.1980, 6.1143

Details

The XYZ color **45.6177, 23.6755, 22.9344** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.0749, 74.1012, 42.6705**, and the grayscale version is **14.0383, 14.7694, 16.0839**.

A 20% lighter version of the original color is **54.9412, 35.1528, 48.1454**, and **22.9338, 11.6556, 8.6304** is the 20% darker color. If you saturate the color by 10%, you get **44.3529, 22.5491, 18.1875**, and if you desaturate by 10%, it is **47.5071, 25.8427, 28.5330**.

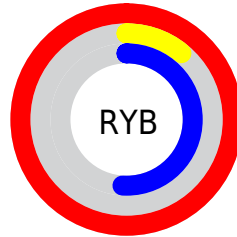
Distribution



Red (100%)

Green (11%)

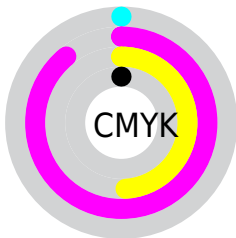
Blue (51%)



Red (100%)

Yellow (11%)

Blue (51%)

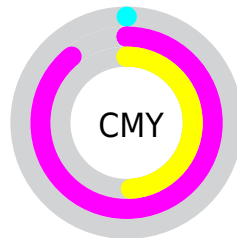


Cyan (0%)

Magenta (89%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6177, 23.6755, 22.9344 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 45.6177, 23.6755, 22.9344 by changing the saturation by 10% instead.


 45.6177, 23.6755,
22.9344


 45.6177, 23.6755,
22.9344


360.0113,
271.1758, 280.4989


 32.1476, 15.0931,
14.3402


 82.8779, 49.5001,
49.2074


 21.6304, 8.8847,
8.2162


 107.3988, 67.5112,
67.7233


 13.7006, 4.6661,
4.1439


 136.3339, 89.4338,
90.3836

 7.9930, 2.0527,
1.7046

 170.0487,
115.6525, 117.6068

 4.1423, 0.6378,
0.3639

 208.9084,
146.5517, 149.8113

 1.7829, 0.0000,
0.0000

253.2786,

 0.5074, 0.0000,

182.5157, 187.4158

0.0000

303.5244,
223.9289, 230.8388

■ 0.0000, 0.0000,
0.0000

■ 45.6177, 23.6755,
22.9344

■ 45.6177, 23.6755,
22.9344

■ 44.3529, 22.5491,
18.1875

■ 47.5071, 25.8427,
28.5330

■ 44.2453, 22.4621,
17.7564

■ 50.1506, 29.3014,
35.0508

■ 53.6392, 34.2260,
42.5418

■ 58.0497, 40.7627,
51.0538

■ 63.4495, 49.0396,
60.6307

69.8995, 59.1720,
71.3132

77.4556, 71.2652,
83.1395

86.1696, 85.4163,
96.1458

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.



42.6626, 23.6755, 56.4931



45.6177, 23.6755, 22.9344



41.1012, 23.6755, 6.5972

Triad

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



45.6177, 23.6755, 22.9344



14.0135, 23.6755, 2.2572



15.3579, 23.6755, 104.4379

Complementary

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



45.6177, 23.6755, 22.9344



42.0749, 74.1012, 42.6705

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.



10.5814, 23.6755, 65.5781



45.6177, 23.6755, 22.9344



9.9695, 23.6755, 8.8835

Square

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



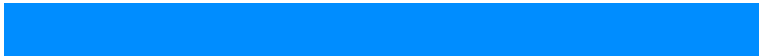
45.6177, 23.6755, 22.9344



21.4865, 23.6755, 0.9777



8.9130, 23.6755, 28.8487



23.5508, 23.6755, 118.7767

Rectangle

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



45.6177, 23.6755, 22.9344



35.0354, 23.6755, 2.6216



8.9130, 23.6755, 28.8487



13.3844, 23.6755, 92.9144

Sweetspot

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



45.6183, 23.6769, 22.9348



71.3261, 61.4393, 73.5944



31.5771, 14.8110, 95.8019



14.7531, 12.3353, 14.9277



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.



45.6183, 23.6769, 22.9348



44.2454, 22.4622, 17.7564



42.1879, 22.8200, 3.2817



18.3452, 18.1214, 20.4347



23.1916, 11.7660, 9.6596



2.3121, 1.1672, 1.2248

Inverse Universe

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



45.6183, 23.6769, 22.9348



44.2454, 22.4622, 17.7564



50.7755, 71.9589, 105.8207



18.3452, 18.1214, 20.4347



23.1916, 11.7660, 9.6596



2.3121, 1.1672, 1.2248

Previews

White Background



This preview shows how the XYZ color 45.6177, 23.6755, 22.9344 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 45.6177, 23.6755, 22.9344 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 45.6177, 23.6755, 22.9344

Background



This preview shows how black text looks on a background with the XYZ color 45.6177, 23.6755, 22.9344.



This preview shows how white text looks on a background with the XYZ color 45.6177, 23.6755,

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

45.6177, 23.6755, 22.9344

Protanopia

24.4063, 23.8434, 48.1156

Deuteranopia

24.3169, 23.8047, 20.7659



Tritanopia

42.2976, 23.8192, 6.2391

Trichromacy



Original Color

45.6177, 23.6755, 22.9344



Protanomaly

26.7620, 18.9746, 36.9023



Deuteranomaly

28.6375, 20.0315, 21.0960



Tritanomaly

43.0463, 23.4612, 10.4433

Monochromacy



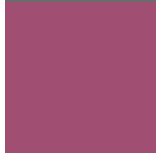
Original Color

45.6177, 23.6755, 22.9344



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

20.5168, 14.2637, 17.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6177, 23.6755, 22.9344 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, 28, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 129)  
}
```

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, 28, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.6177, 23.6755, 22.9344 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, 28, 129) }
```


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

```
.border{ border-color:rgb(255, 28, 129) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6177, 23.6755, 22.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 129) }
```

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

```
.background{ background-color: rgb(255, 28,  
129) }
```

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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