

Converting Colors

XYZ(45.1043, 22.8057, 22.2789)

Have a look what the booklet for
XYZ(45.1043, 22.8057, 22.2789)
contains.

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Color

**XYZ(45.1363, 22.8185,
22.4475)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0080
RGB	255, 0, 128
RGB Percent	100%, 0%, 50%
CMY	0.0000, 0.9997, 0.4980
CMYK	0.00, 1.00, 0.50, 0.00
HSL	330°, 100%, 50%
HSV	330°, 100%, 100%
XYZ	45.1363, 22.8185, 22.4475
YIQ	90.8370, 110.8920, 93.8680

Conversions

Conversions Part 2

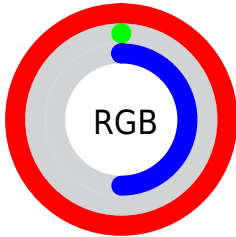
Format	Color
R_{YB}	255, 0, 128
Decimal	16711808
CIE _{Lab}	54.88, 84.55, 4.07
CIE _{LCh}	55, 84.650, 2.753
Yxy	22.8185, 0.4993, 0.2524
Android (android.graphics.Color)	4294901888 (0xFFFF0080)
YUV	90.8370, 18.3214, 143.9710
Hunter-Lab	47.7687, 85.0681, 5.5765

Details

The XYZ color **45.1363, 22.8185, 22.4475** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **39.5957, 73.0542, 32.1145**, and the grayscale version is **9.8572, 10.3705, 11.2935**.

A 20% lighter version of the original color is **54.0354, 33.6696, 46.8309**, and **22.8971, 11.6409, 8.4372** is the 20% darker color. If you saturate the color by 10%, you get **45.1341, 22.8176, 22.4365**, and if you desaturate by 10%, it is **46.3854, 23.8939, 27.2509**.

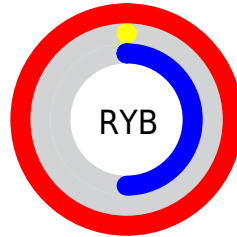
Distribution



Red (100%)

Green (0%)

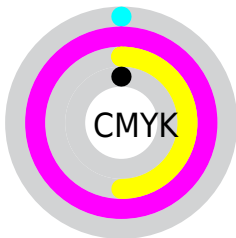
Blue (50%)



Red (100%)

Yellow (0%)

Blue (50%)

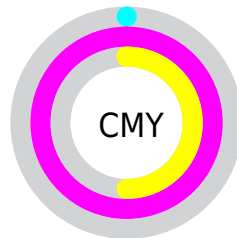


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1363, 22.8185, 22.4475 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 45.1363, 22.8185, 22.4475 by changing the saturation by 10% instead.


 45.1363, 22.8185,
22.4475


 45.1363, 22.8185,
22.4475


358.0997,
266.7914, 277.9038


 31.7665, 14.4595,
13.9846


 82.1607, 48.0951,
48.3961


 21.3379, 8.4410,
7.9713


 106.5461, 65.7816,
66.7190


 13.4851, 4.3784,
3.9891


 135.3340, 87.3460,
89.1656

 7.8427, 1.8874,
1.6194

 168.8899,
113.1728, 116.1545

 4.0454, 0.5408,
0.3046

 207.5790,
143.6464, 148.1042

 1.7279, 0.0000,
0.0000

251.7668,

 0.4736, 0.0000,

179.1510, 185.4333

0.0000

301.8186,
220.0712, 228.5603

■ 0.0000, 0.0000,
0.0000

■ 45.1363, 22.8185,
22.4475

■ 45.1363, 22.8185,
22.4475

■ 45.1341, 22.8176,
22.4365

■ 46.3854, 23.8939,
27.2509

■ 48.2100, 25.9466,
32.7806

■ 50.7564, 29.2641,
39.1025

■ 54.1154, 34.0224,
46.2634

■ 58.3632, 40.3692,
54.3044

■ 63.5670, 48.4336,
63.2629

■ 69.7871, 58.3314,
73.1736

■ 77.0784, 70.1683,
84.0688

■ 85.4920, 84.0418,
95.9792

Harmonies

Analogous

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



41.9860, 22.8185, 56.7689



45.1363, 22.8185, 22.4475



40.6555, 22.8185, 6.0738

Triad

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



45.1363, 22.8185, 22.4475



13.3245, 22.8185, 1.8079



14.4379, 22.8185, 104.8075

Complementary

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



45.1363, 22.8185, 22.4475



39.5957, 73.0542, 32.1145

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.



9.7860, 22.8185, 64.5499



45.1363, 22.8185, 22.4475



9.2854, 22.8185, 7.9123

Square

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



45.1363, 22.8185, 22.4475



20.8340, 22.8185, 0.7045



8.2058, 22.8185, 27.4084



22.5657, 22.8185, 120.3150

Rectangle

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



45.1363, 22.8185, 22.4475



34.5307, 22.8185, 2.2436



8.2058, 22.8185, 27.4084



12.5050, 22.8185, 92.7648

Sweetspot

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



45.1369, 22.8199, 22.4478



69.7702, 58.3042, 73.1475



26.2596, 11.4532, 95.4342



14.3453, 11.5374, 14.7371



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.



45.1369, 22.8199, 22.4478



45.1342, 22.8177, 22.4365



41.2642, 21.2708, 2.0547



18.3896, 18.1392, 20.6689



23.6590, 11.9529, 12.1208



2.3587, 1.1859, 1.4705

Inverse Universe

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



45.1369, 22.8199, 22.4478



45.1342, 22.8177, 22.4365



53.1340, 78.4696, 103.4067



18.3896, 18.1392, 20.6689



23.6590, 11.9529, 12.1208



2.3587, 1.1859, 1.4705

Previews

White Background



This preview shows how the XYZ color 45.1363, 22.8185, 22.4475 looks on a white background.

Color Contrast Check

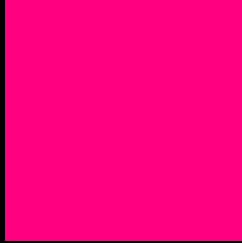
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1363, 22.8185, 22.4475 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 45.1363, 22.8185, 22.4475

Background



This preview shows how black text looks on a background with the XYZ color 45.1363, 22.8185, 22.4475.



This preview shows how white text looks on a background with the XYZ color 45.1363, 22.8185,

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

45.1363, 22.8185, 22.4475

Protanopia

24.0757, 23.4484, 49.1560

Deuteranopia

23.6926, 23.3020, 20.0786



Tritanopia

41.5650, 23.1159, 5.4031

Trichromacy



Original Color

45.1363, 22.8185, 22.4475



Protanomaly

25.7304, 17.0823, 37.0630



Deuteranomaly

27.3799, 18.0842, 20.1367



Tritanomaly

42.0727, 22.2930, 9.4826

Monochromacy



Original Color

45.1363, 22.8185, 22.4475



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.7742, 10.6049, 14.2596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1363, 22.8185, 22.4475 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, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 128)  
}
```

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, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 45.1363, 22.8185, 22.4475 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, 0, 128) }
```


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

```
.border{ border-color:rgb(255, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1363, 22.8185, 22.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 128) }
```

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

```
.background{ background-color: rgb(255, 0,  
128) }
```

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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