

Converting Colors

XYZ(45.3389, 23.0767, 22.9682)

Have a look what the booklet for
XYZ(45.3389, 23.0767, 22.9682)
contains.

XYZ(45.3110, 23.0621, 22.8321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3110, 23.0621,
22.8321)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0A81
RGB	255, 10, 129
RGB Percent	100%, 4%, 51%
CMY	0.0000, 0.9605, 0.4941
CMYK	0.00, 0.96, 0.49, 0.00
HSL	331°, 100%, 52%
HSV	331°, 96%, 100%
XYZ	45.3110, 23.0621, 22.8321
YIQ	96.8210, 107.8210, 88.9490

Conversions

Conversions Part 2

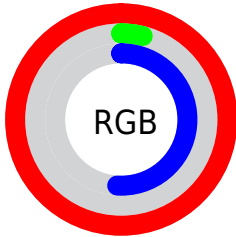
Format	Color
R_{YB}	255, 10, 129
Decimal	16714369
CIE _{Lab}	55.14, 83.97, 3.83
CIE _{LCh}	55, 84.059, 2.610
Yxy	23.0621, 0.4968, 0.2529
Android (android.graphics.Color)	4294904449 (0xFFFF0A81)
YUV	96.8210, 15.8642, 138.7230
Hunter-Lab	48.0230, 84.3792, 5.4272

Details

The XYZ color **45.3110, 23.0621, 22.8321** 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 **40.3346, 73.3642, 35.3526**, and the grayscale version is **11.2715, 11.8585, 12.9139**.

A 20% lighter version of the original color is **54.3372, 33.9448, 47.9441**, and **22.9338, 11.6556, 8.6304** is the 20% darker color. If you saturate the color by 10%, you get **44.8666, 22.7106, 21.0283**, and if you desaturate by 10%, it is **46.7491, 24.4522, 27.8935**.

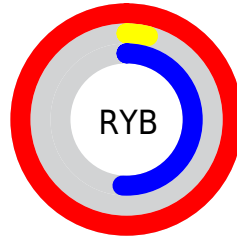
Distribution



Red (100%)

Green (4%)

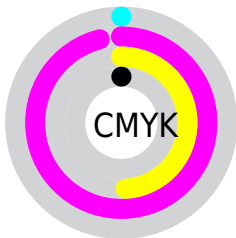
Blue (51%)



Red (100%)

Yellow (4%)

Blue (51%)

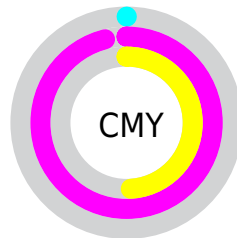


Cyan (0%)

Magenta (96%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3110, 23.0621, 22.8321 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 45.3110, 23.0621, 22.8321 by changing the saturation by 10% instead.


 45.3110, 23.0621,
22.8321


 45.3110, 23.0621,
22.8321


358.7942,
268.0438, 279.9554


 31.9048, 14.6394,
14.2654


 82.4211, 48.4953,
49.0372


 21.4440, 8.5667,
8.1647


 106.8557, 66.2745,
67.5127


 13.5632, 4.4596,
4.1112


 135.6971, 87.9414,
90.1282

 7.8972, 1.9339,
1.6866

 169.3107,
113.8802, 117.3024

 4.0805, 0.5686,
0.3515

 208.0619,
144.4755, 149.4536

 1.7478, 0.0000,
0.0000

252.3160,

 0.4859, 0.0000,

180.1116, 187.0005

0.0000

302.4383,
221.1729, 230.3616

■ 0.0000, 0.0000,
0.0000

■ 45.3110, 23.0621,
22.8321

■ 45.3110, 23.0621,
22.8321

■ 44.8666, 22.7106,
21.0283

■ 46.7491, 24.4522,
27.8935

■ 48.8485, 26.9792,
33.7472

■ 51.7141, 30.8469,
40.4472

■ 55.4305, 36.2189,
48.0397

■ 60.0704, 43.2347,
56.5658

65.6983, 52.0181,
66.0638

72.3725, 62.6806,
76.5687

80.1467, 75.3246,
88.1140

89.0708, 90.0450,
100.7310

Harmonies

Analogous

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



42.1389, 23.0621, 57.1387



45.3110, 23.0621, 22.8321



40.8823, 23.0621, 6.2981

Triad

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



45.3110, 23.0621, 22.8321



13.5691, 23.0621, 1.8962



14.6283, 23.0621, 104.5078

Complementary

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



45.3110, 23.0621, 22.8321



40.3346, 73.3642, 35.3526

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.



9.9710, 23.0621, 64.4775



45.3110, 23.0621, 22.8321



9.4932, 23.0621, 8.0606

Square

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



45.3110, 23.0621, 22.8321



21.1091, 23.0621, 0.7754



8.3926, 23.0621, 27.5361



22.7511, 23.0621, 120.0578

Rectangle

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



45.3110, 23.0621, 22.8321



34.7904, 23.0621, 2.3726



8.3926, 23.0621, 27.5361



12.6940, 23.0621, 92.5239

Sweetspot

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



45.3116, 23.0635, 22.8324



70.2930, 59.3357, 73.3652



27.7586, 12.3872, 95.5354



14.4372, 11.7285, 14.7449



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.



45.3116, 23.0635, 22.8324



44.8668, 22.7107, 21.0284



41.4043, 21.5006, 2.2569



18.3769, 18.1341, 20.6019



23.5186, 11.8967, 11.3815



2.3449, 1.1803, 1.3975

Inverse Universe

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



45.3116, 23.0635, 22.8324



44.8668, 22.7107, 21.0284



53.9359, 78.8047, 106.9756



18.3769, 18.1341, 20.6019



23.5186, 11.8967, 11.3815



2.3449, 1.1803, 1.3975

Previews

White Background



This preview shows how the XYZ color 45.3110, 23.0621, 22.8321 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 45.3110, 23.0621, 22.8321 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 45.3110, 23.0621, 22.8321

Background



This preview shows how black text looks on a background with the XYZ color 45.3110, 23.0621, 22.8321.



This preview shows how white text looks on a background with the XYZ color 45.3110, 23.0621,

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

45.3110, 23.0621, 22.8321

Protanopia

24.1817, 23.4908, 49.7140

Deuteranopia

23.7517, 23.3257, 20.3900



Tritanopia

41.6315, 23.2131, 5.5352

Trichromacy



Original Color

45.3110, 23.0621, 22.8321



Protanomaly

26.1361, 17.7485, 37.6456



Deuteranomaly

27.7476, 18.7210, 20.5634



Tritanomaly

42.2544, 22.5978, 9.7242

Monochromacy



Original Color

45.3110, 23.0621, 22.8321



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

17.9770, 11.7547, 15.7894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3110, 23.0621, 22.8321 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, 10, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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, 10, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.3110, 23.0621, 22.8321 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, 10, 129) }
```


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

```
.border{ border-color:rgb(255, 10, 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, 10, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3110, 23.0621, 22.8321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 129) }
```

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

```
.background{ background-color: rgb(255, 10,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor