

Converting Colors

XYZ(45.6182, 23.8219, 22.4863)

Have a look what the booklet for
XYZ(45.6182, 23.8219, 22.4863)
contains.

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Color

**XYZ(45.6528, 23.8515,
22.6197)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2080
RGB	255, 32, 128
RGB Percent	100%, 13%, 50%
CMY	0.0000, 0.8744, 0.4980
CMYK	0.00, 0.87, 0.50, 0.00
HSL	334°, 100%, 56%
HSV	334°, 87%, 100%
XYZ	45.6528, 23.8515, 22.6197
YIQ	109.6210, 102.0920, 77.1320

Conversions

Conversions Part 2

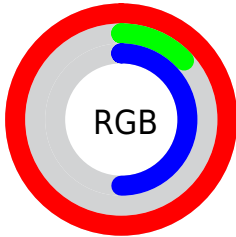
Format	Color
R_{YB}	255, 32, 128
Decimal	16720000
CIE _{Lab}	55.94, 81.49, 5.58
CIE _{LCh}	56, 81.683, 3.918
Yxy	23.8515, 0.4956, 0.2589
Android (android.graphics.Color)	4294910080 (0xFFFF2080)
YUV	109.6210, 9.0608, 127.4974
Hunter-Lab	48.8380, 81.3918, 6.7260

Details

The XYZ color **45.6528, 23.8515, 22.6197** 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 **42.6166, 74.3314, 44.9138**, and the grayscale version is **14.6708, 15.4348, 16.8085**.

A 20% lighter version of the original color is **54.8408, 35.2804, 47.0994**, and **22.8971, 11.6409, 8.4372** is the 20% darker color. If you saturate the color by 10%, you get **44.3183, 22.6046, 17.7910**, and if you desaturate by 10%, it is **47.6511, 26.2073, 28.3451**.

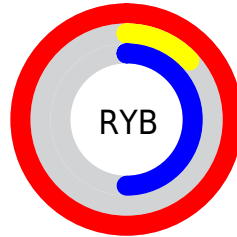
Distribution



Red (100%)

Green (13%)

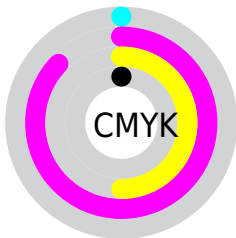
Blue (50%)



Red (100%)

Yellow (13%)

Blue (50%)

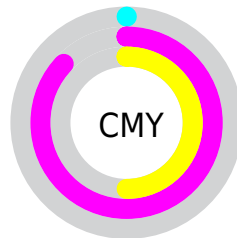


Cyan (0%)

Magenta (87%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6528, 23.8515, 22.6197 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 45.6528, 23.8515, 22.6197 by changing the saturation by 10% instead.


 45.6528, 23.8515,
22.6197


 45.6528, 23.8515,
22.6197


360.1504,
272.0689, 278.8240


 32.1754, 15.2235,
14.1103


 82.9302, 49.7878,
48.6834


 21.6517, 8.9764,
8.0578


 107.4609, 67.8648,
67.0747

 13.7164, 4.7258,
4.0436


 136.4067, 89.8603,
89.5971

 8.0040, 2.0873,
1.6493

 170.1330,
116.1587, 116.6691

 4.1494, 0.6575,
0.3257

 209.0052,
147.1444, 148.7093

 1.7870, 0.0000,
0.0000

253.3886,

 0.5098, 0.0000,

183.2017, 186.1361

0.0000

303.6485,
224.7150, 229.3682

■ 0.0000, 0.0000,
0.0000

■ 45.6528, 23.8515,
22.6197

■ 45.6528, 23.8515,
22.6197

■ 44.3183, 22.6046,
17.7910

■ 47.6511, 26.2073,
28.3451

■ 44.0413, 22.3805,
16.6818

■ 50.4251, 29.8865,
35.0310

■ 54.0635, 35.0586,
42.7323

■ 58.6418, 41.8667,
51.4985

■ 64.2267, 50.4368,
61.3748

70.8787, 60.8825,
72.4033

78.6530, 73.3079,
84.6237

87.6013, 87.8092,
98.0734

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.



42.8688, 23.8515, 55.6905



45.6528, 23.8515, 22.6197



41.0239, 23.8515, 6.5719

Triad

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



45.6528, 23.8515, 22.6197



14.0706, 23.8515, 2.4222



15.6704, 23.8515, 104.6874

Complementary

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



45.6528, 23.8515, 22.6197



42.6166, 74.3314, 44.9138

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.



10.8162, 23.8515, 66.4111



45.6528, 23.8515, 22.6197



10.0858, 23.8515, 9.3131

Square

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



45.6528, 23.8515, 22.6197



21.4679, 23.8515, 1.0478



9.0823, 23.8515, 29.6363



23.9165, 23.8515, 118.1576

Rectangle

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



45.6528, 23.8515, 22.6197



34.9430, 23.8515, 2.6580



9.0823, 23.8515, 29.6363



13.6712, 23.8515, 93.4224

Sweetspot

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



45.6534, 23.8529, 22.6201



71.9284, 62.5484, 74.0897



32.7422, 15.5619, 95.8856



14.8639, 12.5455, 14.9994



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.



45.6534, 23.8529, 22.6201



44.0414, 22.3806, 16.6818



42.5131, 23.3887, 3.6422



18.3339, 18.1169, 20.3757



23.0840, 11.7229, 9.0926



2.3011, 1.1628, 1.1670

Inverse Universe

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



45.6534, 23.8529, 22.6201



44.0414, 22.3806, 16.6818



49.8462, 69.9271, 105.4776



18.3339, 18.1169, 20.3757



23.0840, 11.7229, 9.0926



2.3011, 1.1628, 1.1670

Previews

White Background



This preview shows how the XYZ color 45.6528, 23.8515, 22.6197 looks on a white background.

Color Contrast Check

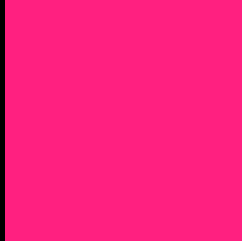
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6528, 23.8515, 22.6197 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 45.6528, 23.8515, 22.6197

Background



This preview shows how black text looks on a background with the XYZ color 45.6528, 23.8515, 22.6197.



This preview shows how white text looks on a background with the XYZ color 45.6528, 23.8515,

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

45.6528, 23.8515, 22.6197

Protanopia

24.6132, 24.1762, 47.0853

Deuteranopia

24.5791, 24.1433, 20.5042



Tritanopia

42.3974, 23.9375, 6.5235

Trichromacy



Original Color

45.6528, 23.8515, 22.6197



Protanomaly

27.2820, 19.5204, 36.5123



Deuteranomaly

29.0014, 20.4869, 20.8382



Tritanomaly

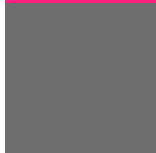
43.1652, 23.6366, 10.6748

Monochromacy



Original Color

45.6528, 23.8515, 22.6197



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

21.3324, 15.1055, 18.6209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6528, 23.8515, 22.6197 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, 32, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 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, 32, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 128) }
```

Border

The CSS property to change the border of an element to XYZ 45.6528, 23.8515, 22.6197 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, 32, 128) }
```


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

```
.border{ border-color:rgb(255, 32, 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, 32, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6528, 23.8515, 22.6197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 128) }
```

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

```
.background{ background-color: rgb(255, 32,  
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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