

Converting Colors

XYZ(33.9366, 23.3967, 44.2151)

Have a look what the booklet for
XYZ(33.9366, 23.3967, 44.2151)
contains.

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Color

**XYZ(33.9788, 23.3650,
44.3140)**

Conversions

Conversions Part 1

Format	Color
Hex	BF64B1
RGB	191, 100, 177
RGB Percent	75%, 39%, 69%
CMY	0.2510, 0.6078, 0.3059
CMYK	0.00, 0.48, 0.07, 0.25
HSL	309°, 42%, 57%
HSV	309°, 48%, 75%
XYZ	33.9788, 23.3650, 44.3140
YIQ	135.9870, 29.5190, 43.2390

Conversions

Conversions Part 2

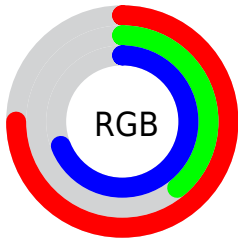
Format	Color
R_{YB}	191, 100, 177
Decimal	12543153
CIE _{Lab}	55.45, 46.90, -25.03
CIE _{LCh}	55, 53.165, 331.913
Yxy	23.3650, 0.3342, 0.2298
Android (android.graphics.Color)	4290733233 (0xFFBF64B1)
YUV	135.9870, 20.2194, 48.2464
Hunter-Lab	48.3374, 40.8864, -20.5189

Details

The XYZ color **33.9788, 23.3650, 44.3140** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **26.9246, 41.1866, 22.4518**, and the grayscale version is **23.3166, 24.5309, 26.7141**.

A 20% lighter version of the original color is **65.3305, 49.1341, 83.1313**, and **14.6867, 8.7200, 19.9778** is the 20% darker color. If you saturate the color by 10%, you get **32.0674, 20.0056, 42.2474**, and if you desaturate by 10%, it is **36.3274, 27.5879, 46.5579**.

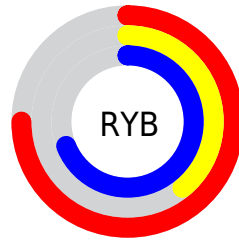
Distribution



Red (75%)

Green (39%)

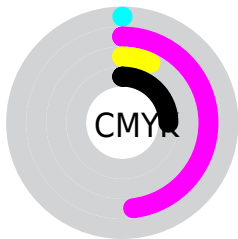
Blue (69%)



Red (75%)

Yellow (39%)

Blue (69%)

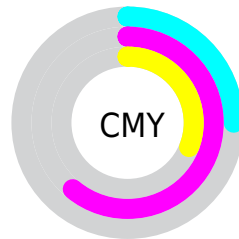


Cyan (0%)

Magenta (48%)

Yellow (7%)

Black (25%)



Cyan (25%)


Magenta (61%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9788, 23.3650, 44.3140 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 33.9788, 23.3650, 44.3140 by changing the saturation by 10% instead.

 33.9788, 23.3650,
44.3140


 33.9788, 23.3650,
44.3140


311.6251,
269.5942, 380.0669


 23.0401, 14.8633,
30.5784


 65.2452, 48.9920,
82.9975


 14.7440, 8.7235,
20.0223


 86.3037, 66.8860,
108.7826

 8.7251, 4.5613,
12.2270


 111.4661, 88.6795,
139.4212

 4.6180, 1.9922,
6.7741

 141.0978,
114.7570, 175.3320

 2.0573, 0.6029,
3.2449

175.5642,
145.5028, 216.9333

 0.6659, 0.0000,
1.2210

215.2307,

 0.0000, 0.0000,

181.3014, 264.6439

0.0000

260.4625,
222.5370, 318.8823

■ 33.9788, 23.3650,
44.3140

■ 33.9788, 23.3650,
44.3140

■ 32.0674, 20.0056,
42.2474

■ 36.3274, 27.5879,
46.5579

■ 30.5605, 17.4455,
40.3463

■ 39.1385, 32.7261,
48.9871

■ 29.4243, 15.6169,
38.5996

■ 42.4381, 38.8311,
51.6106

■ 28.6186, 14.4391,
36.9935

■ 46.2497, 45.9497,
54.4365

■ 28.0839, 13.7938,
35.5081

■ 50.5951, 54.1257,
57.4721

■ 27.9734, 13.6714,
35.1675

■ 55.4949, 63.4001,
60.7247

■ 60.9687, 73.8119,
64.2008

■ 67.0350, 85.3982,
67.9069

■ 68.0791, 86.9297,
69.9715

Harmonies

Analogous

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



28.8596, 23.3650, 64.8966



33.9788, 23.3650, 44.3140



35.8005, 23.3650, 24.3568

Triad

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



33.9788, 23.3650, 44.3140



21.8260, 23.3650, 4.6779



13.8053, 23.3650, 47.1284

Complementary

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



33.9788, 23.3650, 44.3140



26.9246, 41.1866, 22.4518

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.



12.5818, 23.3650, 26.5559



33.9788, 23.3650, 44.3140



16.6656, 23.3650, 6.4722

Square

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



33.9788, 23.3650, 44.3140



28.0750, 23.3650, 6.0407



13.5276, 23.3650, 12.8698



17.2208, 23.3650, 66.9709

Rectangle

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



33.9788, 23.3650, 44.3140



34.6788, 23.3650, 15.0212



13.5276, 23.3650, 12.8698



13.1548, 23.3650, 39.8198

Sweetspot

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



33.9796, 23.3661, 44.3145



78.2358, 73.6982, 94.1236



20.8562, 16.4311, 51.3630



16.8643, 15.5955, 20.4306



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.9796, 23.3661, 44.3145



57.3532, 35.6926, 75.5723



30.1985, 21.8537, 24.4038



9.8652, 9.6704, 11.6790



18.4077, 8.9942, 23.2381



0.7383, 0.3592, 1.0014

Inverse Universe

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



33.9796, 23.3661, 44.3145



57.3532, 35.6926, 75.5723



30.1583, 42.4800, 39.4801



9.8652, 9.6704, 11.6790



18.4077, 8.9942, 23.2381



0.7383, 0.3592, 1.0014

Previews

White Background



This preview shows how the XYZ color 33.9788, 23.3650, 44.3140 looks on a white background.

Color Contrast Check

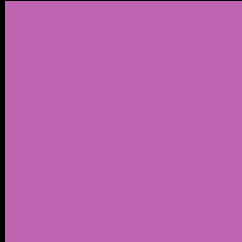
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9788, 23.3650, 44.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

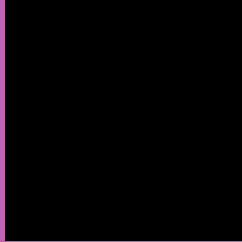
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9788, 23.3650, 44.3140

Background



This preview shows how black text looks on a background with the XYZ color 33.9788, 23.3650, 44.3140.



This preview shows how white text looks on a background with the XYZ color 33.9788, 23.3650,

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

33.9788, 23.3650, 44.3140

Protanopia

24.9656, 23.7009, 58.5172

Deuteranopia

24.1669, 23.6468, 42.3203



Tritanopia

29.1235, 23.3811, 21.0672

Trichromacy



Original Color

33.9788, 23.3650, 44.3140

Protanomaly

26.8784, 22.7277, 52.8394

Deuteranomaly

26.9341, 22.9730, 43.0590

Tritanomaly

30.6638, 23.2130, 28.0637

Monochromacy



Original Color

33.9788, 23.3650, 44.3140

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.3792, 23.4682, 32.4176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9788, 23.3650, 44.3140 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(191, 100, 177)` looks like.

```
.text, #text, p{  
    color:rgb(191, 100, 177)  
}
```

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(191, 100, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 100, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.9788, 23.3650, 44.3140 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(191, 100, 177) }
```


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

```
.border{ border-color:rgb(191, 100, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 100, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 100, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 100, 177);  
box-shadow:4px 4px 4px 4px rgb(191, 100,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9788, 23.3650, 44.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 100, 177) }
```

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

```
.background{ background-color: rgb(191,  
100, 177) }
```

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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