

Converting Colors

XYZ(33.6204, 23.3602, 51.7980)

Have a look what the booklet for
XYZ(33.6204, 23.3602, 51.7980)
contains.

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Color

**XYZ(33.6838, 23.3316,
52.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	B766BF
RGB	183, 102, 191
RGB Percent	72%, 40%, 75%
CMY	0.2823, 0.6000, 0.2510
CMYK	0.04, 0.47, 0.00, 0.25
HSL	295°, 41%, 57%
HSV	295°, 47%, 75%
XYZ	33.6838, 23.3316, 52.0183
YIQ	136.3650, 19.7070, 44.8510

Conversions

Conversions Part 2

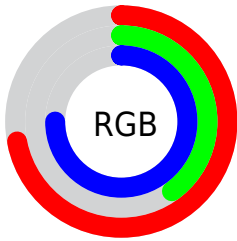
Format	Color
RYB	183, 102, 191
Decimal	12019391
CIELab	55.41, 46.02, -33.22
CIELCh	55, 56.761, 324.173
Yxy	23.3316, 0.3089, 0.2140
Android (android.graphics.Color)	4290209471 (0xFFB766BF)
YUV	136.3650, 26.9351, 40.8989
Hunter-Lab	48.3028, 39.9465, -30.0387

Details

The XYZ color **33.6838, 23.3316, 52.0183** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.4602, 41.5364, 19.1414**, and the grayscale version is **23.4362, 24.6567, 26.8512**.

A 20% lighter version of the original color is **64.9402, 48.9208, 94.8269**, and **14.5580, 8.6765, 24.5744** is the 20% darker color. If you saturate the color by 10%, you get **31.6129, 19.7917, 51.4445**, and if you desaturate by 10%, it is **36.1937, 27.7410, 52.7374**.

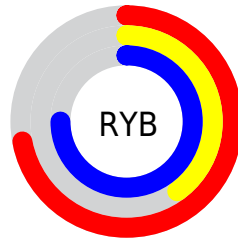
Distribution



Red (72%)

Green (40%)

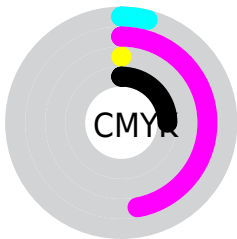
Blue (75%)



Red (72%)

Yellow (40%)

Blue (75%)

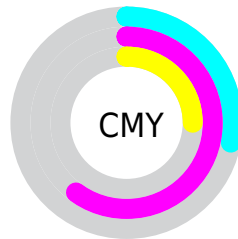


Cyan (4%)

Magenta (47%)

Yellow (0%)

Black (25%)



Cyan (28%)


Magenta (60%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6838, 23.3316, 52.0183 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 33.6838, 23.3316, 52.0183 by changing the saturation by 10% instead.


 33.6838, 23.3316,
52.0183


 33.6838, 23.3316,
52.0183


310.3306,
269.4236, 411.4662


 22.8125, 14.8385,
36.6373


 64.7892, 48.9372,
94.5851


 14.5751, 8.7062,
24.6332


 85.7541, 66.8186,
122.6080

 8.6061, 4.5500,
15.5875


 110.8142, 88.5982,
155.6819

 4.5402, 1.9857,
9.0815

 140.3348,
114.6605, 194.2254

 2.0120, 0.5992,
4.6969

174.6815,
145.3897, 238.6571

 0.6407, 0.0000,
2.0149

214.2194,

 0.0000, 0.0000,

181.1704, 289.3954

0.5644

259.3140,
222.3869, 346.8589

■ 0.0000, 0.0000,
0.0000

■ 33.6838, 23.3316,
52.0183

■ 33.6838, 23.3316,
52.0183

■ 31.6129, 19.7917,
51.4445

■ 36.1937, 27.7410,
52.7374

■ 29.9484, 17.0579,
51.0046

■ 39.1675, 33.0712,
53.6095

■ 28.6572, 15.0633,
50.6876

■ 42.6310, 39.3733,
54.6434

■ 27.6997, 13.7288,
50.4805

■ 46.6073, 46.6937,
55.8468

■ 27.0235, 12.9496,
50.3657

■ 51.1183, 55.0759,
57.2270

■ 26.8225, 12.7412,
50.3361

■ 56.1844, 64.5608,
58.7908

■ 61.8249, 75.1870,
60.5446

■ 68.0584, 86.9915,
62.4945

■ 68.5720, 87.3489,
62.5364

Harmonies

Analogous

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



27.5884, 23.3316, 72.8285



33.6838, 23.3316, 52.0183



36.7562, 23.3316, 29.1408

Triad

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



33.6838, 23.3316, 52.0183



23.4450, 23.3316, 4.0310



12.7612, 23.3316, 42.6781

Complementary

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



33.6838, 23.3316, 52.0183



27.4602, 41.5364, 19.1414

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.



12.0735, 23.3316, 22.0014



33.6838, 23.3316, 52.0183



17.5222, 23.3316, 4.9418

Square

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



33.6838, 23.3316, 52.0183



30.1598, 23.3316, 6.2387



13.6424, 23.3316, 9.8890



15.7423, 23.3316, 65.8645

Rectangle

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



33.6838, 23.3316, 52.0183



36.3237, 23.3316, 17.7361



13.6424, 23.3316, 9.8890



12.2814, 23.3316, 35.0142

Sweetspot

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



33.6846, 23.3326, 52.0188



77.9574, 73.4609, 98.3497



20.5579, 17.9345, 51.6687



16.7937, 15.5354, 21.4988



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.



33.6846, 23.3326, 52.0188



56.5216, 35.2841, 92.1106



32.1880, 22.9601, 33.9229



9.8431, 9.6515, 12.0163



17.6626, 8.3915, 33.0817



0.7169, 0.3416, 1.2970

Inverse Universe

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



29.0524, 21.7058, 17.4111



47.4009, 32.1272, 21.8834



28.6696, 41.9103, 30.4727



9.5641, 9.5499, 10.0934



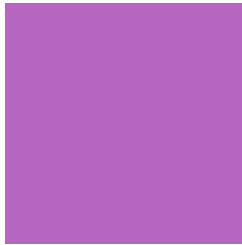
14.2009, 7.3115, 1.0858



0.5682, 0.2912, 0.1052

Previews

White Background



This preview shows how the XYZ color 33.6838, 23.3316, 52.0183 looks on a white background.

Color Contrast Check

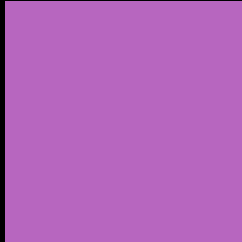
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6838, 23.3316, 52.0183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

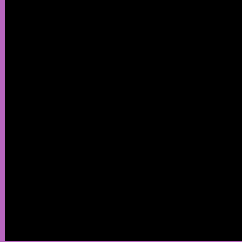
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6838, 23.3316, 52.0183

Background



This preview shows how black text looks on a background with the XYZ color 33.6838, 23.3316, 52.0183.



This preview shows how white text looks on a background with the XYZ color 33.6838, 23.3316,

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

33.6838, 23.3316, 52.0183

Protanopia

25.5039, 23.5809, 67.4973

Deuteranopia

24.1844, 23.6925, 49.7528



Tritanopia

27.5827, 23.2276, 22.7683

Trichromacy



Original Color

33.6838, 23.3316, 52.0183

Protanomaly

27.0630, 22.6350, 61.3351

Deuteranomaly

26.7297, 22.8810, 50.5846

Tritanomaly

29.4307, 23.1375, 31.7690

Monochromacy



Original Color

33.6838, 23.3316, 52.0183

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.3453, 23.5879, 34.6169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6838, 23.3316, 52.0183 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(183, 102, 191)` looks like.

```
.text, #text, p{  
    color:rgb(183, 102, 191)  
}
```

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(183, 102, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 102, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.6838, 23.3316, 52.0183 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(183, 102, 191) }
```


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

```
.border{ border-color:rgb(183, 102, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 102, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 102, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 102, 191);  
box-shadow:4px 4px 4px 4px rgb(183, 102,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6838, 23.3316, 52.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 102, 191) }
```

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

```
.background{ background-color: rgb(183,  
102, 191) }
```

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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