

Converting Colors

XYZ(34.6508, 22.9908, 49.5268)

Have a look what the booklet for
XYZ(34.6508, 22.9908, 49.5268)
contains.

XYZ(34.6384, 23.0300, 49.6333)	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(34.6384, 23.0300,
49.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	BF60BB
RGB	191, 96, 187
RGB Percent	75%, 38%, 73%
CMY	0.2510, 0.6235, 0.2667
CMYK	0.00, 0.50, 0.02, 0.25
HSL	303°, 43%, 56%
HSV	303°, 50%, 75%
XYZ	34.6384, 23.0300, 49.6333
YIQ	134.7790, 27.4090, 48.4410

Conversions

Conversions Part 2

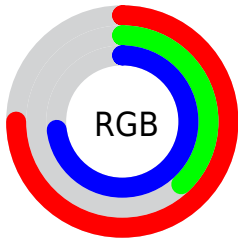
Format	Color
R_{YB}	191, 96, 187
Decimal	12542139
CIE _{Lab}	55.10, 50.66, -31.33
CIE _{LCh}	55, 59.569, 328.268
Yxy	23.0300, 0.3228, 0.2146
Android (android.graphics.Color)	4290732219 (0xFFBF60BB)
YUV	134.7790, 25.7450, 49.3058
Hunter-Lab	47.9896, 44.8577, -27.7281

Details

The XYZ color **34.6384, 23.0300, 49.6333** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **25.7560, 40.6694, 18.5505**, and the grayscale version is **22.8487, 24.0386, 26.1781**.

A 20% lighter version of the original color is **66.1509, 48.4235, 90.6542**, and **15.0533, 8.5003, 23.0376** is the 20% darker color. If you saturate the color by 10%, you get **33.0172, 19.9245, 48.6694**, and if you desaturate by 10%, it is **36.6850, 26.9844, 50.7418**.

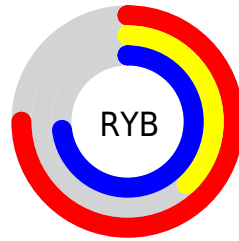
Distribution



Red (75%)

Green (38%)

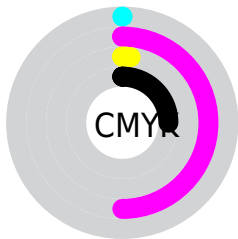
Blue (73%)



Red (75%)

Yellow (38%)

Blue (73%)

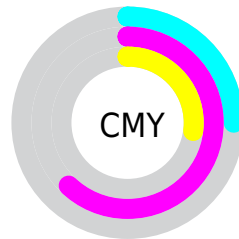


Cyan (0%)

Magenta (50%)

Yellow (2%)

Black (25%)



Cyan (25%)


Magenta (62%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6384, 23.0300, 49.6333 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 34.6384, 23.0300, 49.6333 by changing the saturation by 10% instead.

 34.6384, 23.0300,
49.6333

 34.6384, 23.0300,
49.6333


314.5054,
267.8790, 401.9241


 23.5497, 14.6157,
34.7530


 66.2629, 48.4426,
91.0220


 15.1228, 8.5501,
23.1906


 87.5294, 66.2096,
118.3675

 8.9925, 4.4489,
14.5277


 112.9193, 87.8630,
150.7051

 4.7934, 1.9277,
8.3457

 142.7978,
113.7871, 188.4534

 2.1600, 0.5650,
4.2260

177.5303,
144.3664, 232.0309

 0.7216, 0.0000,
1.7501

217.4821,

 0.0000, 0.0000,

179.9852, 281.8562

0.3947

263.0187,
221.0280, 338.3477

■ 0.0000, 0.0000,
0.0000

■ 34.6384, 23.0300,
49.6333

■ 34.6384, 23.0300,
49.6333

■ 33.0172, 19.9245,
48.6694

■ 36.6850, 26.9844,
50.7418

■ 31.7878, 17.6023,
47.8383

■ 39.1826, 31.8407,
52.0028

■ 30.9155, 15.9936,
47.1286


■ 42.1577, 37.6512,
53.4254


■ 30.3584, 15.0146,
46.5263

■ 45.6341, 44.4634,
55.0174


■ 30.0367, 14.5055,
46.0048


■ 49.6339, 52.3216,
56.7863

 30.0290, 14.4937,
45.9914

 54.1778, 61.2674,
58.7390

 59.2857, 71.3403,
60.8820

 64.9762, 82.5777,
63.2217

 67.0108, 86.5024,
64.3452

Harmonies

Analogous

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



28.5076, 23.0300, 73.0142



34.6384, 23.0300, 49.6333



37.2861, 23.0300, 26.1970

Triad

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



34.6384, 23.0300, 49.6333



22.2774, 23.0300, 3.4113



12.4624, 23.0300, 46.6769

Complementary

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



34.6384, 23.0300, 49.6333



25.7560, 40.6694, 18.5505

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.



11.4496, 23.0300, 23.9869



34.6384, 23.0300, 49.6333



16.3839, 23.0300, 4.6938

Square

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



34.6384, 23.0300, 49.6333



29.3120, 23.0300, 5.0647



12.7294, 23.0300, 10.3450



15.8392, 23.0300, 70.7842

Rectangle

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



34.6384, 23.0300, 49.6333



36.3843, 23.0300, 15.2742



12.7294, 23.0300, 10.3450



11.8684, 23.0300, 38.3678

Sweetspot

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



34.6392, 23.0310, 49.6338



78.1910, 72.6941, 96.9281



18.7518, 14.7906, 51.1575



16.8850, 15.4047, 21.1532



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.



34.6392, 23.0310, 49.6338



58.8296, 35.1070, 86.9730



30.4280, 21.3466, 27.4578



9.9121, 9.6892, 11.9263



19.7421, 9.5280, 30.2652



0.7787, 0.3754, 1.2141

Inverse Universe

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



34.6392, 23.0310, 49.6338



58.8296, 35.1070, 86.9730



28.6960, 41.8454, 34.0326



9.9121, 9.6892, 11.9263



19.7421, 9.5280, 30.2652



0.7787, 0.3754, 1.2141

Previews

White Background



This preview shows how the XYZ color 34.6384, 23.0300, 49.6333 looks on a white background.

Color Contrast Check

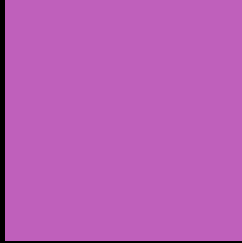
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6384, 23.0300, 49.6333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

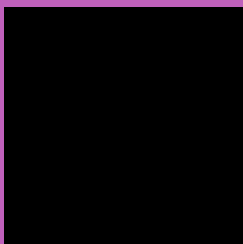
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6384, 23.0300, 49.6333

Background



This preview shows how black text looks on a background with the XYZ color 34.6384, 23.0300, 49.6333.



This preview shows how white text looks on a background with the XYZ color 34.6384, 23.0300,

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

34.6384, 23.0300, 49.6333

Protanopia

25.3940, 23.5242, 67.4922

Deuteranopia

23.7929, 23.3507, 46.9692



Tritanopia

28.7128, 23.0117, 20.6977

Trichromacy



Original Color

34.6384, 23.0300, 49.6333

Protanomaly

27.0136, 22.2702, 60.6324

Deuteranomaly

26.5273, 22.3051, 47.7069

Tritanomaly

30.4378, 22.7608, 29.1746

Monochromacy



Original Color

34.6384, 23.0300, 49.6333

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.1877, 22.9764, 33.6265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6384, 23.0300, 49.6333 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, 96, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 187)  
}
```

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, 96, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 187) }
```

Border

The CSS property to change the border of an element to XYZ 34.6384, 23.0300, 49.6333 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, 96, 187) }
```


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

```
.border{ border-color:rgb(191, 96, 187) }
```

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

Here you see how a box with a 4 pixel rgb(191, 96, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 96, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 96, 187);  
box-shadow:4px 4px 4px 4px rgb(191, 96,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6384, 23.0300, 49.6333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 187) }
```

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

```
.background{ background-color: rgb(191, 96,  
187) }
```

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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