

Converting Colors

XYZ(33.3569, 24.3444, 37.6128)

Have a look what the booklet for
XYZ(33.3569, 24.3444, 37.6128)
contains.

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Color

**XYZ(33.4593, 24.4458,
37.6054)**

Conversions

Conversions Part 1

Format	Color
Hex	BF6CA3
RGB	191, 108, 163
RGB Percent	75%, 42%, 64%
CMY	0.2510, 0.5765, 0.3608
CMYK	0.00, 0.43, 0.15, 0.25
HSL	320°, 39%, 59%
HSV	320°, 43%, 75%
XYZ	33.4593, 24.4458, 37.6054
YIQ	139.0870, 31.8130, 34.7010

Conversions

Conversions Part 2

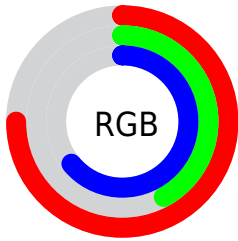
Format	Color
R_{YB}	191, 108, 163
Decimal	12545187
CIE _{Lab}	56.53, 40.41, -15.27
CIE _{LCh}	57, 43.197, 339.301
Yxy	24.4458, 0.3503, 0.2559
Android (android.graphics.Color)	4290735267 (0xFFBF6CA3)
YUV	139.0870, 11.7891, 45.5277
Hunter-Lab	49.4427, 34.2714, -10.4852

Details

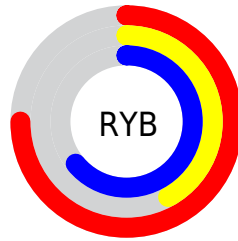
The XYZ color **33.4593, 24.4458, 37.6054** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.2602, 42.2281, 29.9030**, and the grayscale version is **24.5222, 25.7993, 28.0954**.

A 20% lighter version of the original color is **64.4667, 50.6914, 72.7163**, and **14.4857, 9.3082, 16.0721** is the 20% darker color. If you saturate the color by 10%, you get **31.0986, 20.6246, 34.0422**, and if you desaturate by 10%, it is **36.2922, 29.1636, 41.4716**.

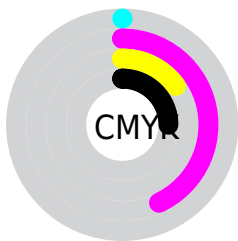
Distribution



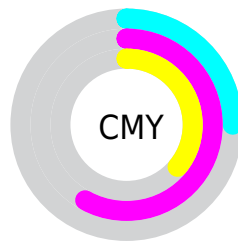
- Red (75%)
- Green (42%)
- Blue (64%)



- Red (75%)
- Yellow (42%)
- Blue (64%)



- Cyan (0%)
- Magenta (43%)
- Yellow (15%)
- Black (25%)





- Cyan (25%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4593, 24.4458, 37.6054 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 33.4593, 24.4458, 37.6054 by changing the saturation by 10% instead.

 33.4593, 24.4458,
37.6054


 33.4593, 24.4458,
37.6054


309.3428,
275.0666, 351.1715


 22.6394, 15.6646,
25.3771


 64.4418, 50.7567,
72.6996


 14.4467, 9.2872,
16.1367


 85.3352, 69.0553,
96.4026

 8.5158, 4.9290,
9.4655


 110.3172, 91.2950,
124.7676

 4.4813, 2.2056,
4.9451

 139.7531,
117.8605, 158.2132

 1.9779, 0.7231,
2.1569

174.0082,
149.1360, 197.1578

 0.6215, 0.0000,
0.6493

213.4480,

 0.0000, 0.0000,

185.5059, 242.0200

0.0000

258.4377,
227.3546, 293.2184

■ 33.4593, 24.4458,
37.6054

■ 33.4593, 24.4458,
37.6054

■ 31.0986, 20.6246,
34.0422

■ 36.2922, 29.1636,
41.4716

■ 29.1782, 17.6380,
30.7687

■ 39.6220, 34.8276,
45.6504

■ 27.6658, 15.4219,
27.7719

■ 43.4741, 41.4880,
50.1527

■ 26.5236, 13.9009,
25.0372

■ 47.8718, 49.1903,
54.9881

■ 25.7057, 12.9846,
22.5469

■ 52.8366, 57.9773,
60.1658

■ 25.2885, 12.5974,
21.0286

■ 58.3892, 67.8894,
65.6947

■ 64.5488, 78.9647,
71.5830

■ 69.4541, 87.4797,
77.2122

■ 70.2964, 87.8166,
81.6478

Harmonies

Analogous

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



29.8849, 24.4458, 54.1757



33.4593, 24.4458, 37.6054



34.0945, 24.4458, 22.4033

Triad

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



33.4593, 24.4458, 37.6054



21.7128, 24.4458, 7.6215



16.5506, 24.4458, 48.1900

Complementary

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



33.4593, 24.4458, 37.6054



29.2602, 42.2281, 29.9030

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.



14.9675, 24.4458, 31.3291



33.4593, 24.4458, 37.6054



17.6529, 24.4458, 10.4698

Square

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



33.4593, 24.4458, 37.6054



26.8081, 24.4458, 8.2542



15.3397, 24.4458, 18.0099



19.9944, 24.4458, 61.6560

Rectangle

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



33.4593, 24.4458, 37.6054



32.6867, 24.4458, 15.2715



15.3397, 24.4458, 18.0099



15.8074, 24.4458, 42.5274

Sweetspot

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



33.4600, 24.4469, 37.6059



78.0447, 74.6232, 90.0300



24.8669, 19.6944, 51.7815



16.7797, 15.7637, 19.3619



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.



33.4600, 24.4469, 37.6059



55.9398, 37.3244, 61.3559



30.3519, 23.2037, 21.2386



9.7894, 9.6401, 11.2801



16.6578, 8.2943, 14.0237



0.6818, 0.3366, 0.7038

Inverse Universe

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



33.4600, 24.4469, 37.6059



55.9398, 37.3244, 61.3559



32.7685, 43.6314, 48.3775



9.7894, 9.6401, 11.2801



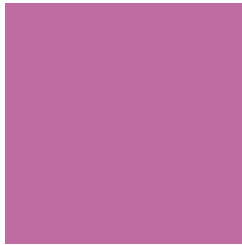
16.6578, 8.2943, 14.0237



0.6818, 0.3366, 0.7038

Previews

White Background



This preview shows how the XYZ color 33.4593, 24.4458, 37.6054 looks on a white background.

Color Contrast Check

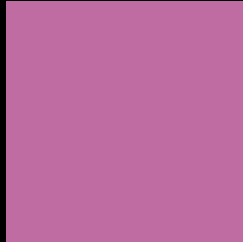
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4593, 24.4458, 37.6054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

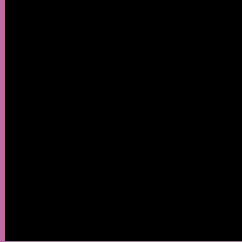
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4593, 24.4458, 37.6054

Background



This preview shows how black text looks on a background with the XYZ color 33.4593, 24.4458, 37.6054.



This preview shows how white text looks on a background with the XYZ color 33.4593, 24.4458,

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

33.4593, 24.4458, 37.6054

Protanopia

25.1370, 24.6385, 47.6868

Deuteranopia

25.1268, 24.6815, 36.2406



Tritanopia

30.3770, 24.5108, 22.1988

Trichromacy



Original Color

33.4593, 24.4458, 37.6054

Protanomaly

27.2842, 24.0583, 43.7631

Deuteranomaly

27.4574, 24.1215, 36.4664

Tritanomaly

31.2316, 24.3366, 27.0961

Monochromacy



Original Color

33.4593, 24.4458, 37.6054

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.1650, 24.8456, 31.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4593, 24.4458, 37.6054 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, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(191, 108, 163)  
}
```

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, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 108, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.4593, 24.4458, 37.6054 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, 108, 163) }
```


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

```
.border{ border-color:rgb(191, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(191, 108,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4593, 24.4458, 37.6054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 108, 163) }
```

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

```
.background{ background-color: rgb(191,  
108, 163) }
```

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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