

Converting Colors

XYZ(33.4680, 20.2641, 44.3422)

Have a look what the booklet for
XYZ(33.4680, 20.2641, 44.3422)
contains.

XYZ(33.4547, 20.2579, 44.2664)	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(33.4547, 20.2579,
44.2664)**

Conversions

Conversions Part 1

Format	Color
Hex	C44DB2
RGB	196, 77, 178
RGB Percent	77%, 30%, 70%
CMY	0.2314, 0.6980, 0.3020
CMYK	0.00, 0.61, 0.09, 0.23
HSL	309°, 50%, 54%
HSV	309°, 61%, 77%
XYZ	33.4547, 20.2579, 44.2664
YIQ	124.0950, 38.5030, 56.6390

Conversions

Conversions Part 2

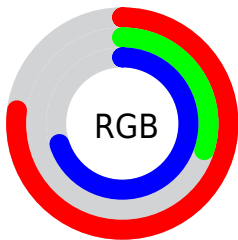
Format	Color
RYB	196, 77, 178
Decimal	12864946
CIELab	52.13, 59.38, -30.70
CIELCh	52, 66.842, 332.659
Yxy	20.2579, 0.3414, 0.2068
Android (android.graphics.Color)	4291055026 (0xFFC44DB2)
YUV	124.0950, 26.5752, 63.0607
Hunter-Lab	45.0088, 53.9124, -26.8059

Details

The XYZ color **33.4547, 20.2579, 44.2664** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **24.8670, 41.8846, 17.6019**, and the grayscale version is **19.0960, 20.0905, 21.8785**.

A 20% lighter version of the original color is **64.3425, 43.7030, 82.8862**, and **14.4360, 7.1433, 20.0200** is the 20% darker color. If you saturate the color by 10%, you get **31.9898, 17.7990, 42.3253**, and if you desaturate by 10%, it is **35.3405, 23.5474, 46.3799**.

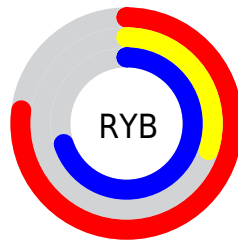
Distribution



Red (77%)

Green (30%)

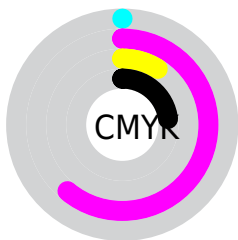
Blue (70%)



Red (77%)

Yellow (30%)

Blue (70%)

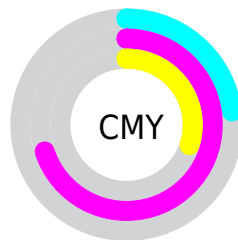


Cyan (0%)

Magenta (61%)

Yellow (9%)

Black (23%)



Cyan (23%)

Magenta (70%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4547, 20.2579, 44.2664 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 33.4547, 20.2579, 44.2664 by changing the saturation by 10% instead.

 33.4547, 20.2579,
44.2664


 33.4547, 20.2579,
44.2664


309.3226,
253.3079, 379.8674


 22.6359, 12.5827,
30.5413

 64.4347, 43.8492,
82.9252


 14.4441, 7.1418,
19.9943


 85.3267, 60.5339,
108.6960

 8.5140, 3.5509,
12.2068


 110.3070, 80.9907,
139.3190

 4.4801, 1.4257,
6.7605

 139.7411,
105.6038, 175.2129

 1.9772, 0.2355,
3.2366

 173.9944,
134.7577, 216.7961

 0.6211, 0.0000,
1.2167

213.4322,

 0.0000, 0.0000,

168.8368, 264.4872

0.0000

258.4198,
208.2253, 318.7048

■ 33.4547, 20.2579,
44.2664

■ 33.4547, 20.2579,
44.2664

■ 31.9898, 17.7990,
42.3253

■ 35.3405, 23.5474,
46.3799

■ 30.9053, 16.0910,
40.5423

■ 37.6788, 27.7320,
48.6760

■ 30.1562, 15.0437,
38.9025

■ 40.5005, 32.8731,
51.1654

■ 29.6804, 14.5020,
37.4807

■ 43.8332, 39.0257,
53.8575

■ 47.7025, 46.2408,
56.7610

■ 52.1321, 54.5660,
59.8839

■ 57.1444, 64.0458,
63.2339

■ 62.7605, 74.7226,
66.8183

■ 69.0004, 86.6362,
70.6439

Harmonies

Analogous

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



27.2570, 20.2579, 71.3737



33.4547, 20.2579, 44.2664



35.6015, 20.2579, 20.3564

Triad

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



33.4547, 20.2579, 44.2664



18.6510, 20.2579, 1.7728



10.1708, 20.2579, 49.2565

Complementary

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



33.4547, 20.2579, 44.2664



24.8670, 41.8846, 17.6019

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.



8.8804, 20.2579, 23.8507



33.4547, 20.2579, 44.2664



12.9951, 20.2579, 3.1178

Square

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



33.4547, 20.2579, 44.2664



25.9468, 20.2579, 2.6674



9.7774, 20.2579, 8.8889



13.8250, 20.2579, 75.2636

Rectangle

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



33.4547, 20.2579, 44.2664



34.1152, 20.2579, 10.4986



9.7774, 20.2579, 8.8889



9.4913, 20.2579, 39.9766

Sweetspot

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



33.4554, 20.2589, 44.2668



81.0171, 73.6908, 98.8068



17.3225, 11.7193, 53.5741



16.9229, 14.9962, 20.8259



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.



33.4554, 20.2589, 44.2668



57.2021, 31.0351, 75.5336



28.7285, 18.3681, 19.3753



10.4297, 10.2205, 12.3533



19.0963, 9.3283, 24.2167



0.8432, 0.4103, 1.1419

Inverse Universe

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



33.4554, 20.2589, 44.2668



57.2021, 31.0351, 75.5336



28.6633, 43.4031, 37.5930



10.4297, 10.2205, 12.3533



19.0963, 9.3283, 24.2167



0.8432, 0.4103, 1.1419

Previews

White Background



This preview shows how the XYZ color 33.4547, 20.2579, 44.2664 looks on a white background.

Color Contrast Check

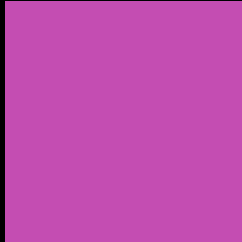
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4547, 20.2579, 44.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

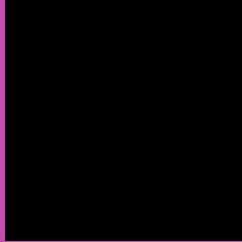
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4547, 20.2579, 44.2664

Background



This preview shows how black text looks on a background with the XYZ color 33.4547, 20.2579, 44.2664.



This preview shows how white text looks on a background with the XYZ color 33.4547, 20.2579,

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

33.4547, 20.2579, 44.2664

Protanopia

22.9215, 20.7159, 67.7562

Deuteranopia

20.9892, 20.4857, 41.3760



Tritanopia

27.5124, 20.2402, 15.5534

Trichromacy



Original Color

33.4547, 20.2579, 44.2664



Protanomaly

24.1269, 18.8574, 58.2453



Deuteranomaly

23.9493, 19.1148, 42.4717



Tritanomaly

29.2388, 20.0274, 23.7973

Monochromacy



Original Color

33.4547, 20.2579, 44.2664



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.8694, 19.0130, 28.8501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4547, 20.2579, 44.2664 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(196, 77, 178)` looks like.

```
.text, #text, p{  
    color:rgb(196, 77, 178)  
}
```

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(196, 77, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 77, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.4547, 20.2579, 44.2664 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(196, 77, 178) }
```


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

```
.border{ border-color:rgb(196, 77, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 77, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 77, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 77, 178);  
box-shadow:4px 4px 4px 4px rgb(196, 77,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4547, 20.2579, 44.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 77, 178) }
```

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

```
.background{ background-color: rgb(196, 77,  
178) }
```

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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