

Converting Colors

XYZ(33.7708, 20.1646, 44.4723)

Have a look what the booklet for
XYZ(33.7708, 20.1646, 44.4723)
contains.

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Color

**XYZ(33.8407, 20.2523,
44.2450)**

Conversions

Conversions Part 1

Format	Color
Hex	C64BB2
RGB	198, 75, 178
RGB Percent	78%, 29%, 70%
CMY	0.2235, 0.7059, 0.3020
CMYK	0.00, 0.62, 0.10, 0.22
HSL	310°, 52%, 54%
HSV	310°, 62%, 78%
XYZ	33.8407, 20.2523, 44.2450
YIQ	123.5190, 40.2450, 58.1090

Conversions

Conversions Part 2

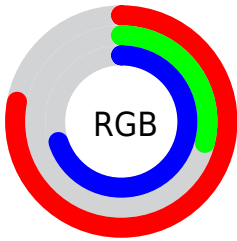
Format	Color
R_{YB}	198, 75, 178
Decimal	12995506
CIE _{Lab}	52.12, 60.75, -30.69
CIE _{LCh}	52, 68.065, 333.202
Yxy	20.2523, 0.3441, 0.2059
Android (android.graphics.Color)	4291185586 (0xFFC64BB2)
YUV	123.5190, 26.8591, 65.3198
Hunter-Lab	45.0026, 55.4727, -26.7901

Details

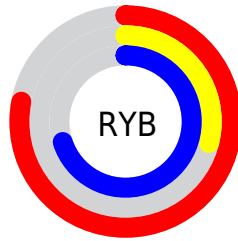
The XYZ color **33.8407, 20.2523, 44.2450** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **25.1623, 42.7111, 17.7459**, and the grayscale version is **18.9037, 19.8882, 21.6583**.

A 20% lighter version of the original color is **64.2076, 43.4331, 82.8412**, and **14.6862, 7.1434, 20.0068** is the 20% darker color. If you saturate the color by 10%, you get **32.3813, 17.8444, 42.1823**, and if you desaturate by 10%, it is **35.7269, 23.5007, 46.4877**.

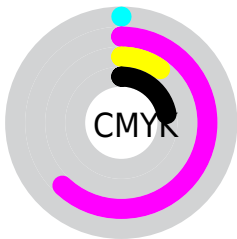
Distribution



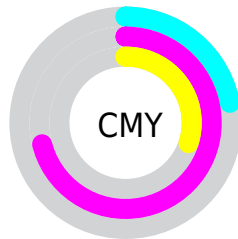
- Red (78%)
- Green (29%)
- Blue (70%)



- Red (78%)
- Yellow (29%)
- Blue (70%)



- Cyan (0%)
- Magenta (62%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (71%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8407, 20.2523, 44.2450 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 33.8407, 20.2523, 44.2450 by changing the saturation by 10% instead.

 33.8407, 20.2523,
44.2450


 33.8407, 20.2523,
44.2450


311.0196,
253.2777, 379.7777


 22.9336, 12.5786,
30.5246


 65.0318, 43.8398,
82.8927


 14.6649, 7.1390,
19.9817


 86.0465, 60.5223,
108.6570


 8.6693, 3.5492,
12.1978


 111.1610, 80.9766,
139.2730

 4.5815, 1.4247,
6.7543

 140.7408,
105.5870, 175.1593

 2.0361, 0.2348,
3.2328

 175.1512,
134.7379, 216.7344

 0.6541, 0.0000,
1.2147

214.7576,

 0.0000, 0.0000,

168.8137, 264.4168

0.0000

259.9253,
208.1989, 318.6250

■ 33.8407, 20.2523,
44.2450

■ 33.8407, 20.2523,
44.2450

■ 32.3813, 17.8444,
42.1823

■ 35.7269, 23.5007,
46.4877

■ 31.3063, 16.1937,
40.2847

■ 38.0728, 27.6570,
48.9213

■ 30.5682, 15.2048,
38.5364

■ 40.9108, 32.7849,
51.5567

■ 30.1539, 14.7519,
37.2401

■ 44.2694, 38.9416,
54.4039

■ 48.1751, 46.1801,
57.4719

■ 52.6524, 54.5494,
60.7691

■ 57.7246, 64.0956,
64.3035

■ 63.4133, 74.8625,
68.0826

■ 69.7395, 86.8912,
72.1135

Harmonies

Analogous

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



27.5493, 20.2523, 72.1997



33.8407, 20.2523, 44.2450



35.9467, 20.2523, 19.9786

Triad

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



33.8407, 20.2523, 44.2450



18.5112, 20.2523, 1.6500



10.0803, 20.2523, 50.4113

Complementary

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



33.8407, 20.2523, 44.2450



25.1623, 42.7111, 17.7459

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.



8.7385, 20.2523, 24.2627



33.8407, 20.2523, 44.2450



12.8101, 20.2523, 3.0136

Square

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



33.8407, 20.2523, 44.2450



25.9371, 20.2523, 2.4804



9.6023, 20.2523, 8.8896



13.8228, 20.2523, 77.0249

Rectangle

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



33.8407, 20.2523, 44.2450



34.3605, 20.2523, 10.1334



9.6023, 20.2523, 8.8896



9.3808, 20.2523, 40.8661

Sweetspot

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



33.8414, 20.2533, 44.2454



80.2512, 72.3908, 97.8371



17.2701, 11.4612, 54.7287



16.7695, 14.7420, 20.6125



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.



33.8414, 20.2533, 44.2454



56.5004, 30.2751, 73.3160



29.0787, 18.3482, 19.1654



11.0062, 10.7859, 13.0157



19.6364, 9.6041, 24.3587



0.9501, 0.4629, 1.2605

Inverse Universe

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



33.8414, 20.2533, 44.2454



56.5004, 30.2751, 73.3160



29.0089, 44.2497, 38.0017



11.0062, 10.7859, 13.0157



19.6364, 9.6041, 24.3587



0.9501, 0.4629, 1.2605

Previews

White Background



This preview shows how the XYZ color 33.8407, 20.2523, 44.2450 looks on a white background.

Color Contrast Check

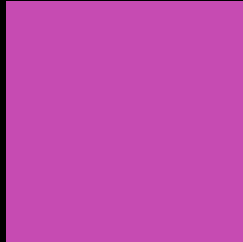
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8407, 20.2523, 44.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

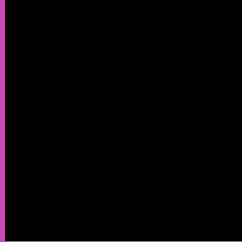
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8407, 20.2523, 44.2450

Background



This preview shows how black text looks on a background with the XYZ color 33.8407, 20.2523, 44.2450.

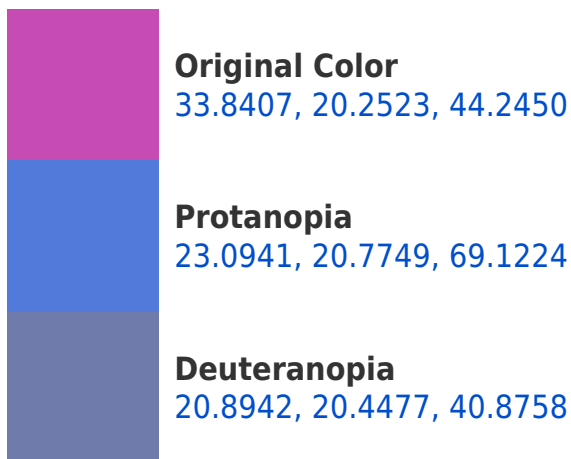


This preview shows how white text looks on a background with the XYZ color 33.8407, 20.2523,

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





Tritanopia

27.8163, 20.2722, 15.0172

Trichromacy



Original Color

33.8407, 20.2523, 44.2450



Protanomaly

24.1432, 18.7000, 58.8369



Deuteranomaly

24.0246, 19.1648, 41.9681



Tritanomaly

29.5113, 19.9286, 23.4103

Monochromacy



Original Color

33.8407, 20.2523, 44.2450



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.9506, 18.9010, 28.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8407, 20.2523, 44.2450 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(198, 75, 178)` looks like.

```
.text, #text, p{  
  color:rgb(198, 75, 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(198, 75, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 75, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.8407, 20.2523, 44.2450 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(198, 75, 178) }
```


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

```
.border{ border-color:rgb(198, 75, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 75, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 75, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 75, 178);  
box-shadow:4px 4px 4px 4px rgb(198, 75,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8407, 20.2523, 44.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 75, 178) }
```

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

```
.background{ background-color: rgb(198, 75,  
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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