

Converting Colors

XYZ(33.9615, 20.9429, 22.2569)

Have a look what the booklet for
XYZ(33.9615, 20.9429, 22.2569)
contains.

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Color

**XYZ(33.8558, 20.8473,
22.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	D54C7F
RGB	213, 76, 127
RGB Percent	84%, 30%, 50%
CMY	0.1647, 0.7019, 0.5020
CMYK	0.00, 0.64, 0.40, 0.16
HSL	338°, 62%, 57%
HSV	338°, 64%, 84%
XYZ	33.8558, 20.8473, 22.3182
YIQ	122.7770, 65.2810, 44.9050

Conversions

Conversions Part 2

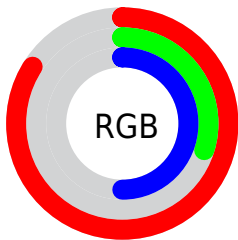
Format	Color
R_{YB}	213, 76, 127
Decimal	13978751
CIE _{Lab}	52.78, 57.96, 0.67
CIE _{LCh}	53, 57.963, 0.660
Yxy	20.8473, 0.4396, 0.2707
Android (android.graphics.Color)	4292168831 (0xFFD54C7F)
YUV	122.7770, 2.0819, 79.1256
Hunter-Lab	45.6588, 52.4539, 2.9800

Details

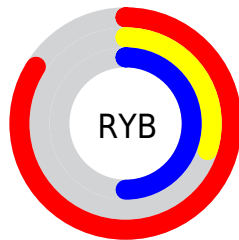
The XYZ color **33.8558, 20.8473, 22.3182** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **33.2976, 51.7343, 42.4166**, and the grayscale version is **18.7325, 19.7081, 21.4621**.

A 20% lighter version of the original color is **57.7295, 41.0578, 48.0623**, and **14.7233, 7.4635, 7.8723** is the 20% darker color. If you saturate the color by 10%, you get **31.8091, 18.0573, 17.6180**, and if you desaturate by 10%, it is **36.5049, 24.6570, 27.7903**.

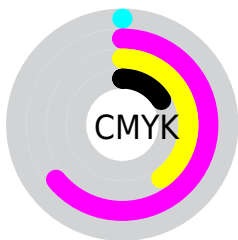
Distribution



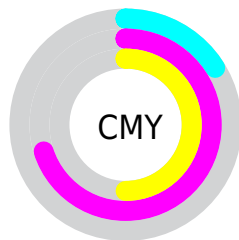
- Red (84%)
- Green (30%)
- Blue (50%)



- Red (84%)
- Yellow (30%)
- Blue (50%)



- Cyan (0%)
- Magenta (64%)
- Yellow (40%)
- Black (16%)





- Cyan (16%)
- Magenta (70%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8558, 20.8473, 22.3182 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 33.8558, 20.8473, 22.3182 by changing the saturation by 10% instead.


 33.8558, 20.8473,
22.3182


 33.8558, 20.8473,
22.3182


311.0858,
256.4659, 277.2110


 22.9452, 13.0124,
13.8903


 65.0551, 44.8333,
48.1803


 14.6735, 7.4371,
7.9066


 86.0746, 61.7531,
66.4516


 8.6754, 3.7369,
3.9483


 111.1944, 82.4701,
88.8411

 4.5855, 1.5275,
1.5970

 140.7799,
107.3687, 115.7674

 2.0384, 0.3080,
0.2887

 175.1964,
136.8331, 147.6490

 0.6554, 0.0000,
0.0000

214.8093,

 0.0000, 0.0000,

171.2479, 184.9044

0.0000

259.9840,
210.9973, 227.9523

■ 33.8558, 20.8473,
22.3182

■ 33.8558, 20.8473,
22.3182

■ 31.8091, 18.0573,
17.6180

■ 36.5049, 24.6570,
27.7903

■ 30.3086, 16.1817,
13.6480

■ 39.8022, 29.5712,
34.0700

■ 29.2890, 15.0980,
10.3629

■ 43.7909, 35.6697,
41.1919

■ 28.8623, 14.7148,
8.7707

■ 48.5097, 43.0237,
49.1880

■ 53.9944, 51.6991,
58.0885

■ 60.2784, 61.7568,
67.9219

■ 67.3930, 73.2541,
78.7157

■ 75.3679, 86.2450,
90.4958

■ 80.0422, 92.4028,
101.8911

Harmonies

Analogous

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



31.7705, 20.8473, 43.2263



33.8558, 20.8473, 22.3182



31.5876, 20.8473, 9.6052

Triad

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



33.8558, 20.8473, 22.3182



14.4595, 20.8473, 4.4186



14.6481, 20.8473, 65.8320

Complementary

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



33.8558, 20.8473, 22.3182



33.2976, 51.7343, 42.4166

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.



11.4045, 20.8473, 44.2538



33.8558, 20.8473, 22.3182



11.3122, 20.8473, 9.9841

Square

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



33.8558, 20.8473, 22.3182



19.6813, 20.8473, 3.0334



10.3174, 20.8473, 23.0844



19.9488, 20.8473, 74.8975

Rectangle

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



33.8558, 20.8473, 22.3182



28.1330, 20.8473, 5.4620



10.3174, 20.8473, 23.0844



13.3227, 20.8473, 59.3978

Sweetspot

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



33.8564, 20.8484, 22.3186



76.9779, 71.0815, 80.6003



29.1899, 17.4979, 64.7898



15.9763, 14.4247, 16.4358



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.



33.8564, 20.8484, 22.3186



46.9329, 26.0108, 24.2827



32.5717, 22.3207, 9.4305



12.6125, 12.4965, 13.8997



17.6759, 9.0067, 5.5972



1.1055, 0.5590, 0.5452

Inverse Universe

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



33.8564, 20.8484, 22.3186



46.9329, 26.0108, 24.2827



34.9616, 46.2814, 70.0414



12.6125, 12.4965, 13.8997



17.6759, 9.0067, 5.5972



1.1055, 0.5590, 0.5452

Previews

White Background



This preview shows how the XYZ color 33.8558, 20.8473, 22.3182 looks on a white background.

Color Contrast Check

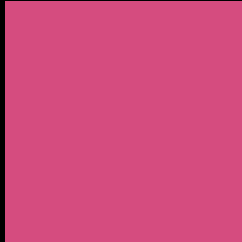
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8558, 20.8473, 22.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

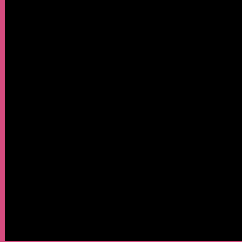
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8558, 20.8473, 22.3182

Background



This preview shows how black text looks on a background with the XYZ color 33.8558, 20.8473, 22.3182.



This preview shows how white text looks on a background with the XYZ color 33.8558, 20.8473,

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

33.8558, 20.8473, 22.3182

Protanopia

21.0272, 21.0235, 34.8480

Deuteranopia

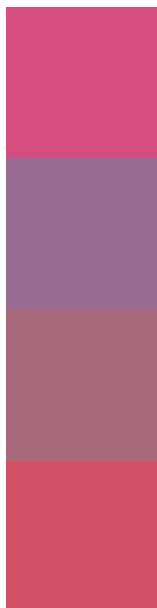
21.3342, 20.9379, 20.6863



Tritanopia

31.5518, 20.7636, 11.7960

Trichromacy



Original Color

33.8558, 20.8473, 22.3182

Protanomaly

23.5829, 19.3630, 29.6886

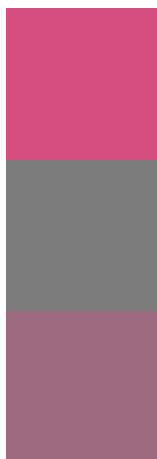
Deuteranomaly

24.5631, 19.7487, 21.2562

Tritanomaly

32.2546, 20.7130, 15.1300

Monochromacy



Original Color

33.8558, 20.8473, 22.3182

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.5024, 18.8312, 21.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8558, 20.8473, 22.3182 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(213, 76, 127)` looks like.

```
.text, #text, p{  
  color:rgb(213, 76, 127)  
}
```

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(213, 76, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 76, 127) }
```

Border

The CSS property to change the border of an element to XYZ 33.8558, 20.8473, 22.3182 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(213, 76, 127) }
```


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

```
.border{ border-color:rgb(213, 76, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 76, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 76, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 76, 127); box-shadow:4px 4px 4px 4px rgb(213, 76, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8558, 20.8473, 22.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 76, 127) }
```

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

```
.background{ background-color: rgb(213, 76,  
127) }
```

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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