

Converting Colors

XYZ(33.3929, 20.1443, 18.1808)

Have a look what the booklet for
XYZ(33.3929, 20.1443, 18.1808)
contains.

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Color

**XYZ(33.2518, 20.0423,
18.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	D74672
RGB	215, 70, 114
RGB Percent	84%, 27%, 45%
CMY	0.1569, 0.7255, 0.5529
CMYK	0.00, 0.67, 0.47, 0.16
HSL	342°, 64%, 56%
HSV	342°, 67%, 84%
XYZ	33.2518, 20.0423, 18.0356
YIQ	118.3710, 72.2960, 44.4240

Conversions

Conversions Part 2

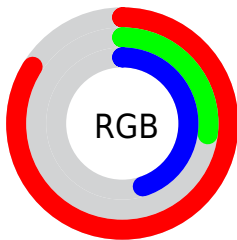
Format	Color
RYB	215, 70, 114
Decimal	14108274
CIELab	51.89, 59.71, 7.20
CIElCh	52, 60.139, 6.881
Yxy	20.0423, 0.4662, 0.2810
Android (android.graphics.Color)	4292298354 (0xFFD74672)
YUV	118.3710, -2.1549, 84.7436
Hunter-Lab	44.7686, 54.2354, 7.4523

Details

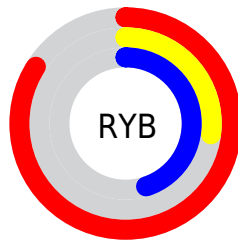
The XYZ color **33.2518, 20.0423, 18.0356** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **34.1783, 52.8439, 46.9307**, and the grayscale version is **17.3279, 18.2303, 19.8528**.

A 20% lighter version of the original color is **55.7123, 39.1919, 40.7048**, and **14.5009, 7.3619, 5.8110** is the 20% darker color. If you saturate the color by 10%, you get **31.3555, 17.5041, 13.5364**, and if you desaturate by 10%, it is **35.7700, 23.6009, 23.4311**.

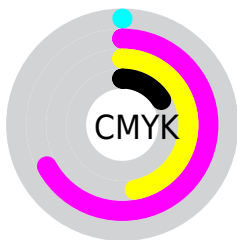
Distribution



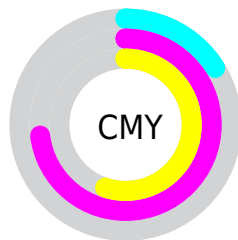
- Red (84%)
- Green (27%)
- Blue (45%)



- Red (84%)
- Yellow (27%)
- Blue (45%)



- Cyan (0%)
- Magenta (67%)
- Yellow (47%)
- Black (16%)



- Cyan (16%)
- Magenta (73%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2518, 20.0423, 18.0356 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 33.2518, 20.0423, 18.0356 by changing the saturation by 10% instead.

33.2518, 20.0423,
18.0356

33.2518, 20.0423,
18.0356

308.4278,
252.1440, 253.3145

22.4796, 12.4258,
10.8058

64.1205, 43.4881,
40.9127

14.3283, 7.0344,
5.8239

84.9477, 60.0862,
57.3972

8.4326, 3.4836,
2.6712

109.8572, 80.4469,
77.8036

4.4271, 1.3891,
0.9289

139.2145,
104.9547, 102.5506

1.9465, 0.2087,
0.0000

173.3848,
133.9939, 132.0566

0.6036, 0.0000,
0.0000

212.7336,

0.0000, 0.0000,

167.9489, 166.7403

0.0000

257.6261,
207.2041, 207.0200

■ 33.2518, 20.0423,
18.0356

■ 33.2518, 20.0423,
18.0356

■ 31.3555, 17.5041,
13.5364

■ 35.7700, 23.6009,
23.4311

■ 30.0185, 15.8722,
9.8787

■ 38.9610, 28.2715,
29.7706

■ 29.1605, 14.9972,
6.9995

■ 42.8719, 34.1391,
37.0992

■ 28.9852, 14.8314,
6.3716

■ 47.5452, 41.2793,
45.4588

■ 53.0199, 49.7618,
54.8887

■ 59.3321, 59.6509,
65.4258

■ 66.5160, 71.0069,
77.1056

■ 74.6036, 83.8864,
89.9616

■ 80.8506, 92.7936,
103.1012

Harmonies

Analogous

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



32.0224, 20.0423, 37.8745



33.2518, 20.0423, 18.0356



30.0739, 20.0423, 7.2199

Triad

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



33.2518, 20.0423, 18.0356



12.8342, 20.0423, 4.4593



14.7999, 20.0423, 69.6817

Complementary

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



33.2518, 20.0423, 18.0356



34.1783, 52.8439, 46.9307

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.



11.1144, 20.0423, 48.8762



33.2518, 20.0423, 18.0356



10.1605, 20.0423, 11.1002

Square

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



33.2518, 20.0423, 18.0356



17.6768, 20.0423, 2.5656



9.6062, 20.0423, 26.1059



20.4917, 20.0423, 75.1515

Rectangle

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



33.2518, 20.0423, 18.0356



26.2148, 20.0423, 4.0342



9.6062, 20.0423, 26.1059



13.3257, 20.0423, 63.8594

Sweetspot

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



33.2523, 20.0434, 18.0359



75.6815, 69.5852, 76.7878



30.8371, 17.7323, 66.0873



15.7036, 14.1259, 15.5849



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.



33.2523, 20.0434, 18.0359



45.1913, 24.5612, 17.4323



33.3670, 23.3633, 8.5467



12.5768, 12.4822, 13.7118



17.3781, 8.8876, 4.0292



1.0846, 0.5506, 0.4351

Inverse Universe

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



33.2523, 20.0434, 18.0359



45.1913, 24.5612, 17.4323



32.8649, 42.3541, 70.7329



12.5768, 12.4822, 13.7118



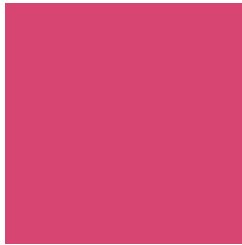
17.3781, 8.8876, 4.0292



1.0846, 0.5506, 0.4351

Previews

White Background



This preview shows how the XYZ color 33.2518, 20.0423, 18.0356 looks on a white background.

Color Contrast Check

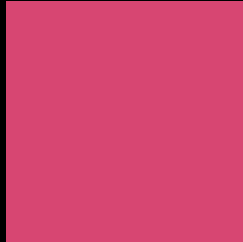
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2518, 20.0423, 18.0356 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 33.2518, 20.0423, 18.0356

Background



This preview shows how black text looks on a background with the XYZ color 33.2518, 20.0423, 18.0356.



This preview shows how white text looks on a background with the XYZ color 33.2518, 20.0423,

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

33.2518, 20.0423, 18.0356

Protanopia

20.0022, 20.2445, 29.2389

Deuteranopia

20.5256, 20.2453, 16.7358



Tritanopia

31.5797, 20.0480, 9.9898

Trichromacy



Original Color

33.2518, 20.0423, 18.0356

Protanomaly

22.7015, 18.5626, 24.5767

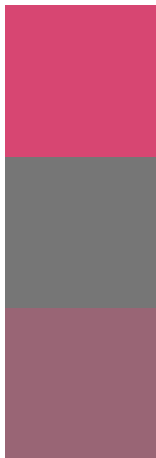
Deuteranomaly

23.9280, 19.0635, 17.1703

Tritanomaly

32.1561, 19.9840, 12.5184

Monochromacy



Original Color

33.2518, 20.0423, 18.0356

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

21.0014, 17.3640, 19.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2518, 20.0423, 18.0356 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(215, 70, 114)` looks like.

```
.text, #text, p{  
    color:rgb(215, 70, 114)  
}
```

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(215, 70, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 70, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.2518, 20.0423, 18.0356 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(215, 70, 114) }
```


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

```
.border{ border-color:rgb(215, 70, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 70, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 70, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 70, 114);  
box-shadow:4px 4px 4px 4px rgb(215, 70,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2518, 20.0423, 18.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 70, 114) }
```

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

```
.background{ background-color: rgb(215, 70,  
114) }
```

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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