

Converting Colors

XYZ(33.0880, 20.0706, 24.5021)

Have a look what the booklet for
XYZ(33.0880, 20.0706, 24.5021)
contains.

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Color

**XYZ(33.2640, 20.1880,
24.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	D24986
RGB	210, 73, 134
RGB Percent	82%, 29%, 53%
CMY	0.1765, 0.7137, 0.4745
CMYK	0.00, 0.65, 0.36, 0.18
HSL	333°, 60%, 55%
HSV	333°, 65%, 82%
XYZ	33.2640, 20.1880, 24.6977
YIQ	120.9170, 62.0710, 48.0150

Conversions

Conversions Part 2

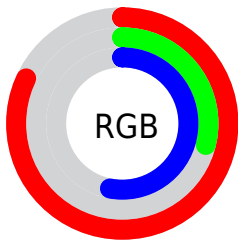
Format	Color
R_{YB}	210, 73, 134
Decimal	13781382
CIE Lab	52.05, 59.04, -4.65
CIE LCh	52, 59.224, 355.500
Yxy	20.1880, 0.4256, 0.2583
Android (android.graphics.Color)	4291971462 (0xFFD24986)
YUV	120.9170, 6.4499, 78.1258
Hunter-Lab	44.9311, 53.5203, -1.1388

Details

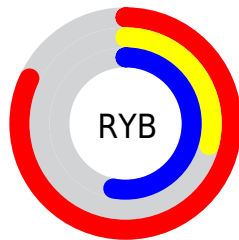
The XYZ color **33.2640, 20.1880, 24.6977** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **31.2204, 49.6802, 36.3809**, and the grayscale version is **18.1140, 19.0573, 20.7534**.

A 20% lighter version of the original color is **58.0599, 40.5484, 51.7802**, and **14.4022, 7.2352, 9.2318** is the 20% darker color. If you saturate the color by 10%, you get **31.3413, 17.5722, 20.2662**, and if you desaturate by 10%, it is **35.7430, 23.7730, 29.7567**.

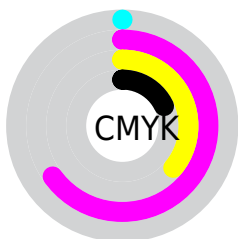
Distribution



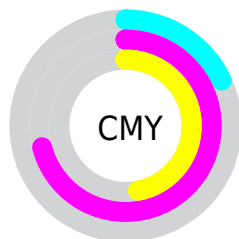
- Red (82%)
- Green (29%)
- Blue (53%)



- Red (82%)
- Yellow (29%)
- Blue (53%)



- Cyan (0%)
- Magenta (65%)
- Yellow (36%)
- Black (18%)





- Cyan (18%)
- Magenta (71%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2640, 20.1880, 24.6977 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 33.2640, 20.1880, 24.6977 by changing the saturation by 10% instead.


 33.2640, 20.1880,
24.6977


 33.2640, 20.1880,
24.6977

308.4816,
252.9311, 289.7284


 22.4890, 12.5318,
15.6350


 64.1394, 43.7322,
52.1244


 14.3352, 7.1069,
9.1147


 84.9705, 60.3889,
71.3255


 8.4375, 3.5291,
4.7182


 109.8843, 80.8146,
94.7431

 4.4303, 1.4138,
2.0271

 139.2462,
105.3936, 122.7959

 1.9483, 0.2268,
0.5719

 173.4215,
134.5103, 155.9022

 0.6047, 0.0000,
0.0000

212.7756,

 0.0000, 0.0000,

168.5492, 194.4807

0.0000

257.6739,
207.8947, 238.9500

■ 33.2640, 20.1880,
24.6977

■ 33.2640, 20.1880,
24.6977

■ 31.3413, 17.5722,
20.2662

■ 35.7430, 23.7730,
29.7567

■ 29.9213, 15.8232,
16.4296

■ 38.8216, 28.4096,
35.4707

■ 28.9415, 14.8207,
13.1521

■ 42.5406, 34.1751,
41.8665

■ 28.5763, 14.5008,
11.7646

■ 46.9364, 41.1383,
48.9687

■ 52.0428, 49.3627,
56.8006

■ 57.8911, 58.9073,
65.3843

■ 64.5106, 69.8272,
74.7407

■ 71.9293, 82.1745,
84.8900

■ 77.8967, 91.4450,
95.0926

Harmonies

Analogous

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



30.4492, 20.1880, 46.7395



33.2640, 20.1880, 24.6977



31.7067, 20.1880, 10.5394

Triad

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



33.2640, 20.1880, 24.6977



14.6066, 20.1880, 3.5465



13.3290, 20.1880, 62.4087

Complementary

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



33.2640, 20.1880, 24.6977



31.2204, 49.6802, 36.3809

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.



10.4931, 20.1880, 39.6516



33.2640, 20.1880, 24.6977



11.1148, 20.1880, 8.0041

Square

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



33.2640, 20.1880, 24.6977



20.1145, 20.1880, 2.6949



9.7769, 20.1880, 19.4718



18.2906, 20.1880, 74.6661

Rectangle

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



33.2640, 20.1880, 24.6977



28.5420, 20.1880, 5.7613



9.7769, 20.1880, 19.4718



12.1400, 20.1880, 55.2972

Sweetspot

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



33.2646, 20.1891, 24.6981



76.6575, 69.9756, 81.9272



26.2928, 15.7483, 62.6268



15.9356, 14.2187, 16.8064



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.



33.2646, 20.1891, 24.6981



47.7433, 26.1318, 29.1765



30.6395, 19.8993, 8.5308



12.0243, 11.8945, 13.4039



17.4800, 8.8649, 7.4341



1.0170, 0.5115, 0.6245

Inverse Universe

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



33.2646, 20.1891, 24.6981



47.7433, 26.1318, 29.1765



35.7727, 48.8529, 68.5170



12.0243, 11.8945, 13.4039



17.4800, 8.8649, 7.4341



1.0170, 0.5115, 0.6245

Previews

White Background



This preview shows how the XYZ color 33.2640, 20.1880, 24.6977 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 33.2640, 20.1880, 24.6977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

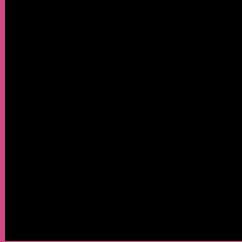
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2640, 20.1880, 24.6977

Background



This preview shows how black text looks on a background with the XYZ color 33.2640, 20.1880, 24.6977.



This preview shows how white text looks on a background with the XYZ color 33.2640, 20.1880,

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

33.2640, 20.1880, 24.6977

Protanopia

20.8681, 20.4666, 39.4098

Deuteranopia

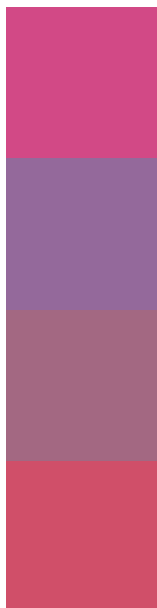
20.8215, 20.4413, 22.9268



Tritanopia

30.6286, 20.1732, 11.7307

Trichromacy



Original Color

33.2640, 20.1880, 24.6977

Protanomaly

23.1807, 18.7656, 33.4107

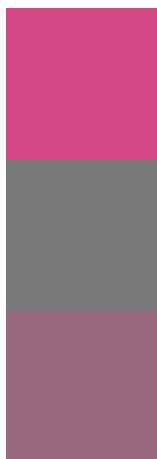
Deuteranomaly

24.0838, 19.2989, 23.5748

Tritanomaly

31.3582, 20.0218, 15.5764

Monochromacy



Original Color

33.2640, 20.1880, 24.6977

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.8531, 18.1793, 22.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2640, 20.1880, 24.6977 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(210, 73, 134)` looks like.

```
.text, #text, p{  
    color:rgb(210, 73, 134)  
}
```

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(210, 73, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 73, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.2640, 20.1880, 24.6977 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(210, 73, 134) }
```


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

```
.border{ border-color:rgb(210, 73, 134) }
```

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

Here you see how a box with a 4 pixel rgb(210, 73, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 73, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 73, 134);  
box-shadow:4px 4px 4px 4px rgb(210, 73,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2640, 20.1880, 24.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 73, 134) }
```

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

```
.background{ background-color: rgb(210, 73,  
134) }
```

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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