

Converting Colors

XYZ(32.7033, 20.0474, 26.9568)

Have a look what the booklet for
XYZ(32.7033, 20.0474, 26.9568)
contains.

XYZ(32.7033, 20.0474, 26.9568)	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(32.7033, 20.0474,
26.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	CE4B8C
RGB	206, 75, 140
RGB Percent	81%, 29%, 55%
CMY	0.1922, 0.7059, 0.4510
CMYK	0.00, 0.64, 0.32, 0.19
HSL	330°, 57%, 55%
HSV	330°, 64%, 81%
XYZ	32.7033, 20.0474, 26.9568
YIQ	121.5790, 57.2110, 47.9870

Conversions

Conversions Part 2

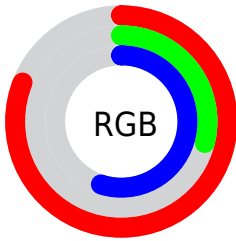
Format	Color
R_{YB}	206, 75, 140
Decimal	13519756
CIE _{Lab}	51.89, 57.73, -8.53
CIE _{LCh}	52, 58.360, 351.595
Yxy	20.0474, 0.4103, 0.2515
Android (android.graphics.Color)	4291709836 (0xFFCE4B8C)
YUV	121.5790, 9.0816, 74.0372
Hunter-Lab	44.7743, 52.0219, -4.3541

Details

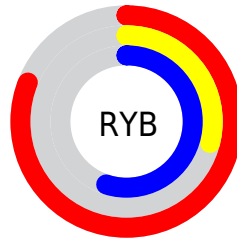
The XYZ color **32.7033, 20.0474, 26.9568** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **29.7818, 47.5622, 32.8128**, and the grayscale version is **18.3209, 19.2750, 20.9904**.

A 20% lighter version of the original color is **59.0939, 41.3876, 55.9130**, and **14.0799, 7.0775, 10.2969** is the 20% darker color. If you saturate the color by 10%, you get **30.7957, 17.3998, 22.7214**, and if you desaturate by 10%, it is **35.1364, 23.6304, 31.7239**.

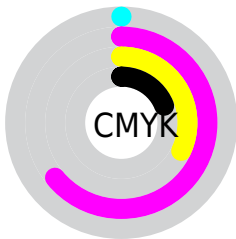
Distribution



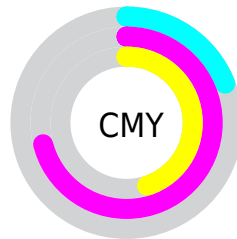
- Red (81%)
- Green (29%)
- Blue (55%)



- Red (81%)
- Yellow (29%)
- Blue (55%)



- Cyan (0%)
- Magenta (64%)
- Yellow (32%)
- Black (19%)





- Cyan (19%)
- Magenta (71%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7033, 20.0474, 26.9568 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 32.7033, 20.0474, 26.9568 by changing the saturation by 10% instead.


 32.7033, 20.0474,
26.9568


 32.7033, 20.0474,
26.9568


305.9993,
252.1716, 301.2014

 22.0574, 12.4295,
17.3086


 63.2698, 43.4966,
55.8174


 14.0159, 7.0369,
10.2905


 83.9211, 60.0968,
75.8670


 8.2135, 3.4852,
5.4839


 108.6383, 80.4598,
100.2207

 4.2848, 1.3900,
2.4702

 137.7867,
104.9700, 129.2972

 1.8645, 0.2093,
0.8243

 171.7316,
134.0120, 163.5150

 0.5561, 0.0000,
0.0000

210.8385,

 0.0000, 0.0000,

167.9699, 203.2926

0.0000

255.4726,
207.2283, 249.0486

■ 32.7033, 20.0474,
26.9568

■ 32.7033, 20.0474,
26.9568

■ 30.7957, 17.3998,
22.7214

■ 35.1364, 23.6304,
31.7239

■ 29.3645, 15.5926,
18.9911

■ 38.1347, 28.2252,
37.0449

■ 28.3532, 14.5162,
15.7369

■ 41.7358, 33.9040,
42.9414

■ 27.8623, 14.0853,
13.8749

■ 45.9733, 40.7313,
49.4336

■ 50.8785, 48.7667,
56.5403

■ 56.4802, 58.0656,
64.2792

■ 62.8058, 68.6798,
72.6675

■ 69.8809, 80.6582,
81.7214

■ 75.9807, 90.5487,
90.8734

Harmonies

Analogous

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



29.4568, 20.0474, 49.0407



32.7033, 20.0474, 26.9568



31.7414, 20.0474, 11.8821

Triad

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



32.7033, 20.0474, 26.9568



15.1592, 20.0474, 3.3693



12.8137, 20.0474, 58.7110

Complementary

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



32.7033, 20.0474, 26.9568



29.7818, 47.5622, 32.8128

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.



10.2986, 20.0474, 36.1841



32.7033, 20.0474, 26.9568



11.4443, 20.0474, 7.1794

Square

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



32.7033, 20.0474, 26.9568



20.7699, 20.0474, 2.8411



9.8555, 20.0474, 17.3952



17.4362, 20.0474, 72.6755

Rectangle

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



32.7033, 20.0474, 26.9568



28.9148, 20.0474, 6.5363



9.8555, 20.0474, 17.3952



11.7372, 20.0474, 51.4677

Sweetspot

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



32.7039, 20.0484, 26.9572



77.8097, 71.4142, 84.9805



24.5575, 15.1087, 60.0146



16.1763, 14.5047, 17.4888



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.



32.7039, 20.0484, 26.9572



49.0356, 27.0654, 34.6973



29.2405, 18.6631, 8.7191



11.4405, 11.3049, 12.8544



17.2056, 8.6928, 8.8013



0.9259, 0.4638, 0.6558

Inverse Universe

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



32.7039, 20.0484, 26.9572



49.0356, 27.0654, 34.6973



36.1142, 50.0951, 66.1586



11.4405, 11.3049, 12.8544



17.2056, 8.6928, 8.8013



0.9259, 0.4638, 0.6558

Previews

White Background



This preview shows how the XYZ color 32.7033, 20.0474, 26.9568 looks on a white background.

Color Contrast Check

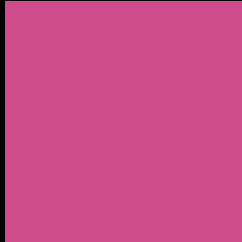
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7033, 20.0474, 26.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

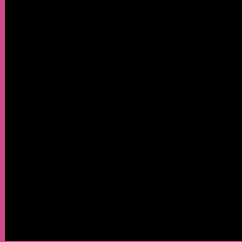
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7033, 20.0474, 26.9568

Background



This preview shows how black text looks on a background with the XYZ color 32.7033, 20.0474, 26.9568.



This preview shows how white text looks on a background with the XYZ color 32.7033, 20.0474,

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

32.7033, 20.0474, 26.9568

Protanopia

20.8360, 20.3957, 41.8683

Deuteranopia

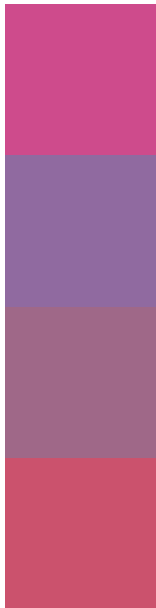
20.5867, 20.2737, 25.0185



Tritanopia

29.6167, 19.9848, 12.4217

Trichromacy



Original Color

32.7033, 20.0474, 26.9568

Protanomaly

23.0008, 18.7754, 35.6695

Deuteranomaly

23.6923, 19.0491, 25.7207

Tritanomaly

30.4062, 19.8352, 16.6940

Monochromacy



Original Color

32.7033, 20.0474, 26.9568

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.1509, 18.4604, 23.1646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7033, 20.0474, 26.9568 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(206, 75, 140)` looks like.

```
.text, #text, p{  
  color:rgb(206, 75, 140)  
}
```

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(206, 75, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 75, 140) }
```

Border

The CSS property to change the border of an element to XYZ 32.7033, 20.0474, 26.9568 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(206, 75, 140) }
```


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

```
.border{ border-color:rgb(206, 75, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 75, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 75, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 75, 140);  
box-shadow:4px 4px 4px 4px rgb(206, 75,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7033, 20.0474, 26.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 75, 140) }
```

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

```
.background{ background-color: rgb(206, 75,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor