

Converting Colors

XYZ(32.6847, 23.9124, 20.1997)

Have a look what the booklet for
XYZ(32.6847, 23.9124, 20.1997)
contains.

XYZ(32.7385, 23.9916, 20.3581)	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(32.7385, 23.9916,
20.3581)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6977
RGB	202, 105, 119
RGB Percent	79%, 41%, 47%
CMY	0.2078, 0.5882, 0.5333
CMYK	0.00, 0.48, 0.41, 0.21
HSL	351°, 48%, 60%
HSV	351°, 48%, 79%
XYZ	32.7385, 23.9916, 20.3581
YIQ	135.5990, 53.3180, 24.9180

Conversions

Conversions Part 2

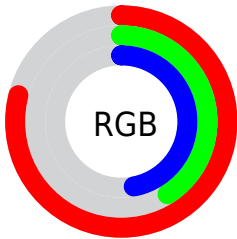
Format	Color
R_{YB}	202, 105, 119
Decimal	13265271
CIE _{Lab}	56.08, 39.80, 9.91
CIE _{LCh}	56, 41.019, 13.982
Yxy	23.9916, 0.4247, 0.3112
Android (android.graphics.Color)	4291455351 (0xFFCA6977)
YUV	135.5990, -8.1833, 58.2337
Hunter-Lab	48.9812, 33.5903, 9.6441

Details

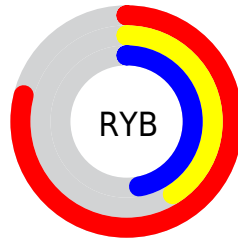
The XYZ color **32.7385, 23.9916, 20.3581** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.0246, 48.8758, 55.1151**, and the grayscale version is **23.2682, 24.4800, 26.6587**.

A 20% lighter version of the original color is **60.8175, 48.6540, 44.7138**, and **14.1336, 9.1130, 6.9753** is the 20% darker color. If you saturate the color by 10%, you get **29.9746, 19.9767, 14.7725**, and if you desaturate by 10%, it is **36.1811, 29.0617, 27.1018**.

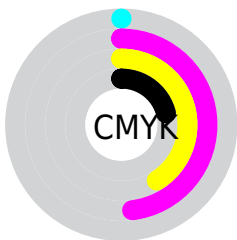
Distribution



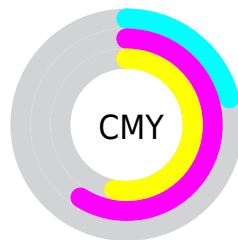
- Red (79%)
- Green (41%)
- Blue (47%)



- Red (79%)
- Yellow (41%)
- Blue (47%)



- Cyan (0%)
- Magenta (48%)
- Yellow (41%)
- Black (21%)





- Cyan (21%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7385, 23.9916, 20.3581 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 32.7385, 23.9916, 20.3581 by changing the saturation by 10% instead.


 32.7385, 23.9916,
20.3581


 32.7385, 23.9916,
20.3581


306.1556,
272.7780, 266.5152


 22.0845, 15.3274,
12.4690


 63.3245, 50.0165,
44.8836


 14.0359, 9.0495,
6.9375


 83.9871, 68.1460,
62.3570

 8.2275, 4.7735,
3.3452


 108.7167, 90.1993,
83.8623

 4.2939, 2.1150,
1.2735

 137.8785,
116.5609, 109.8180

 1.8697, 0.6730,
0.0399

171.8379,
147.6152, 140.6425

 0.5591, 0.0000,
0.0000

210.9604,

 0.0000, 0.0000,

183.7466, 176.7546

0.0000

255.6112,
225.3394, 218.5726

■ 32.7385, 23.9916,
20.3581

■ 32.7385, 23.9916,
20.3581

■ 29.9746, 19.9767,
14.7725

■ 36.1811, 29.0617,
27.1018

■ 27.8420, 16.9389,
10.2782

■ 40.3418, 35.2505,
35.0629

■ 26.2905, 14.7953,
6.8031


■ 45.2589, 42.6207,
44.2979


■ 25.2607, 13.4474,
4.2659


■ 50.9676, 51.2296,
54.8595


■ 24.6692, 12.7510,
2.5687

■ 57.5010, 61.1305,
66.7975

 24.5807, 12.6460,
2.3173

 64.8902, 72.3735,
80.1589

 73.1645, 85.0065,
94.9887

 78.1671, 91.2966,
108.1099

Harmonies

Analogous

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



32.6329, 23.9916, 33.9304



32.7385, 23.9916, 20.3581



29.9393, 23.9916, 11.9626

Triad

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



32.7385, 23.9916, 20.3581



17.0887, 23.9916, 11.5806



20.4007, 23.9916, 59.7073

Complementary

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



32.7385, 23.9916, 20.3581



36.0246, 48.8758, 55.1151

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.



16.9021, 23.9916, 48.5174



32.7385, 23.9916, 20.3581



15.1770, 23.9916, 19.6154

Square

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



32.7385, 23.9916, 20.3581



20.6899, 23.9916, 8.2033



15.1138, 23.9916, 32.8843



25.0559, 23.9916, 60.1211

Rectangle

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



32.7385, 23.9916, 20.3581



26.9991, 23.9916, 9.0906



15.1138, 23.9916, 32.8843



19.0664, 23.9916, 56.9450

Sweetspot

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



32.7391, 23.9928, 20.3585



80.1657, 77.4860, 81.5733



36.3169, 24.9904, 58.7867



16.7208, 15.9257, 16.6472



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.



32.7391, 23.9928, 20.3585



50.4334, 33.3664, 24.3565



36.1332, 32.0285, 17.6438



11.2772, 11.2396, 11.9942



15.8375, 8.1456, 1.5971



0.8388, 0.4289, 0.1971

Inverse Universe

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



32.7391, 23.9928, 20.3585



50.4334, 33.3664, 24.3565



30.4993, 35.2924, 61.0818



11.2772, 11.2396, 11.9942



15.8375, 8.1456, 1.5971



0.8388, 0.4289, 0.1971

Previews

White Background



This preview shows how the XYZ color 32.7385, 23.9916, 20.3581 looks on a white background.

Color Contrast Check

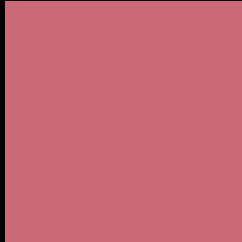
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7385, 23.9916, 20.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

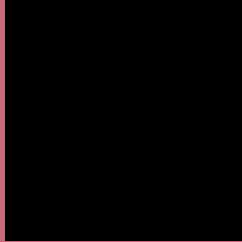
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7385, 23.9916, 20.3581

Background



This preview shows how black text looks on a background with the XYZ color 32.7385, 23.9916, 20.3581.



This preview shows how white text looks on a background with the XYZ color 32.7385, 23.9916,

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

32.7385, 23.9916, 20.3581

Protanopia

23.2148, 24.1178, 26.3533

Deuteranopia

24.5947, 24.1716, 19.5890



Tritanopia

32.5484, 24.0795, 18.8519

Trichromacy



Original Color

32.7385, 23.9916, 20.3581

Protanomaly

25.7433, 23.3280, 23.9148

Deuteranomaly

27.0030, 23.7064, 19.6756

Tritanomaly

32.6635, 24.1256, 19.4581

Monochromacy



Original Color

32.7385, 23.9916, 20.3581

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.8601, 23.7525, 24.3408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7385, 23.9916, 20.3581 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(202, 105, 119)` looks like.

```
.text, #text, p{  
    color:rgb(202, 105, 119)  
}
```

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(202, 105, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 105, 119) }
```

Border

The CSS property to change the border of an element to XYZ 32.7385, 23.9916, 20.3581 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(202, 105, 119) }
```


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

```
.border{ border-color:rgb(202, 105, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 105, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 105, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 105, 119);  
box-shadow:4px 4px 4px 4px rgb(202, 105,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7385, 23.9916, 20.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 105, 119) }
```

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

```
.background{ background-color: rgb(202,  
105, 119) }
```

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