

Converting Colors

XYZ(32.3487, 20.4018, 16.7010)

Have a look what the booklet for
XYZ(32.3487, 20.4018, 16.7010)
contains.

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Color

**XYZ(32.3487, 20.4018,
16.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	D34E6D
RGB	211, 78, 109
RGB Percent	83%, 31%, 43%
CMY	0.1725, 0.6941, 0.5725
CMYK	0.00, 0.63, 0.48, 0.17
HSL	346°, 60%, 57%
HSV	346°, 63%, 83%
XYZ	32.3487, 20.4018, 16.7010
YIQ	121.3010, 69.3170, 37.8370

Conversions

Conversions Part 2

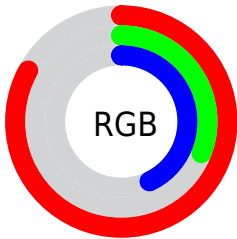
Format	Color
R_{YB}	211, 78, 109
Decimal	13848173
CIE _{Lab}	52.29, 54.75, 10.68
CIE _{LCh}	52, 55.779, 11.038
Yxy	20.4018, 0.4658, 0.2938
Android (android.graphics.Color)	4292038253 (0xFFD34E6D)
YUV	121.3010, -6.0644, 78.6660
Hunter-Lab	45.1684, 48.7936, 9.6954

Details

The XYZ color **32.3487, 20.4018, 16.7010** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **34.6757, 51.5041, 51.2975**, and the grayscale version is **18.2756, 19.2273, 20.9385**.

A 20% lighter version of the original color is **55.9727, 40.5731, 38.1390**, and **13.7635, 7.1901, 5.2198** is the 20% darker color. If you saturate the color by 10%, you get **30.2902, 17.5531, 12.1053**, and if you desaturate by 10%, it is **35.0494, 24.2784, 22.3024**.

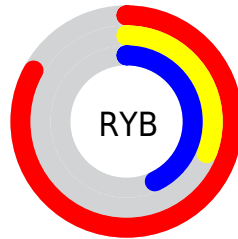
Distribution



Red (83%)

Green (31%)

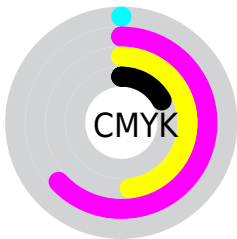
Blue (43%)



Red (83%)

Yellow (31%)

Blue (43%)

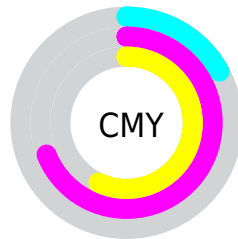


Cyan (0%)

Magenta (63%)

Yellow (48%)

Black (17%)



Cyan (17%)


Magenta (69%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3487, 20.4018, 16.7010 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 32.3487, 20.4018, 16.7010 by changing the saturation by 10% instead.

 32.3487, 20.4018,
16.7010


 32.3487, 20.4018,
16.7010

304.4218,
254.0821, 245.4287


 21.7848, 12.6875,
9.8618


 62.7189, 44.0898,
38.5946

 13.8146, 7.2137,
5.2030


 83.2558, 60.8323,
54.4860


 8.0727, 3.5961,
2.3061


 107.8479, 81.3529,
74.2320

 4.1937, 1.4503,
0.7346

 136.8604,
106.0360, 98.2511

 1.8123, 0.2533,
0.0000

 170.6587,
135.2661, 126.9617

 0.5251, 0.0000,
0.0000

209.6081,

 0.0000, 0.0000,

169.4276, 160.7825

0.0000

254.0740,
208.9048, 200.1320

■ 32.3487, 20.4018,
16.7010

■ 32.3487, 20.4018,
16.7010

■ 30.2902, 17.5531,
12.1053

■ 35.0494, 24.2784,
22.3024

■ 28.8157, 15.6297,
8.4519

■ 38.4405, 29.2659,
28.9653

■ 27.8583, 14.5134,
5.6710

■ 42.5671, 35.4427,
36.7422

■ 27.4219, 14.0721,
4.1957

■ 47.4701, 42.8790,
45.6820

■ 53.1873, 51.6397,
55.8305

■ 59.7540, 61.7851,
67.2310

■ 67.2033, 73.3718,
79.9246

■ 75.5667, 86.4532,
93.9505

■ 80.6169, 92.5661,
107.9272

Harmonies

Analogous

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



31.7973, 20.4018, 34.1335



32.3487, 20.4018, 16.7010



28.9516, 20.4018, 7.2643

Triad

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



32.3487, 20.4018, 16.7010



13.0165, 20.4018, 5.8962



16.0252, 20.4018, 67.4491

Complementary

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



32.3487, 20.4018, 16.7010



34.6757, 51.5041, 51.2975

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.



12.2080, 20.4018, 50.0593



32.3487, 20.4018, 16.7010



10.7223, 20.4018, 13.4533

Square

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



32.3487, 20.4018, 16.7010



17.3563, 20.4018, 3.4018



10.4589, 20.4018, 28.8238



21.5795, 20.4018, 69.8446

Rectangle

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



32.3487, 20.4018, 16.7010



25.2343, 20.4018, 4.4585



10.4589, 20.4018, 28.8238



14.5280, 20.4018, 62.8702

Sweetspot

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



32.3492, 20.4029, 16.7013



76.0780, 70.7215, 75.8614



33.2978, 19.8526, 63.7048



15.7614, 14.3388, 15.3040



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.



32.3492, 20.4029, 16.7013



45.5399, 25.6671, 16.2890



34.1973, 26.3150, 10.4861



11.9200, 11.8527, 12.8546



16.5823, 8.5058, 2.7065



0.9586, 0.4882, 0.3167

Inverse Universe

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



32.3492, 20.4029, 16.7013



45.5399, 25.6671, 16.2890



30.3348, 37.1919, 67.2078



11.9200, 11.8527, 12.8546



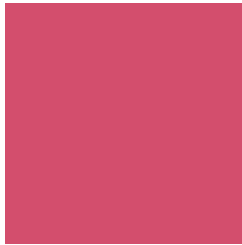
16.5823, 8.5058, 2.7065



0.9586, 0.4882, 0.3167

Previews

White Background



This preview shows how the XYZ color 32.3487, 20.4018, 16.7010 looks on a white background.

Color Contrast Check

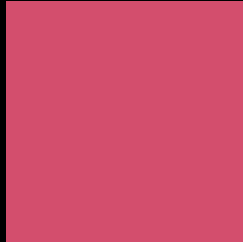
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3487, 20.4018, 16.7010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

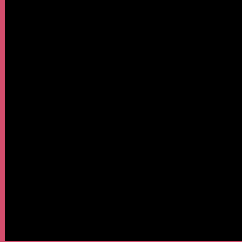
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3487, 20.4018, 16.7010

Background



This preview shows how black text looks on a background with the XYZ color 32.3487, 20.4018, 16.7010.



This preview shows how white text looks on a background with the XYZ color 32.3487, 20.4018,

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

32.3487, 20.4018, 16.7010

Protanopia

20.0941, 20.7484, 25.5000

Deuteranopia

20.8417, 20.4320, 15.6772



Tritanopia

31.3159, 20.4243, 11.3086

Trichromacy



Original Color

32.3487, 20.4018, 16.7010

Protanomaly

22.7745, 19.2737, 21.9219

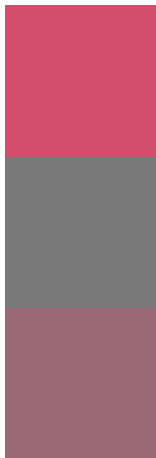
Deuteranomaly

23.9636, 19.5581, 15.8767

Tritanomaly

31.5863, 20.4127, 13.1017

Monochromacy



Original Color

32.3487, 20.4018, 16.7010

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.5889, 18.2575, 19.2158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3487, 20.4018, 16.7010 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(211, 78, 109)` looks like.

```
.text, #text, p{  
    color:rgb(211, 78, 109)  
}
```

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(211, 78, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 78, 109) }
```

Border

The CSS property to change the border of an element to XYZ 32.3487, 20.4018, 16.7010 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(211, 78, 109) }
```


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

```
.border{ border-color:rgb(211, 78, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 78, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 78, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 78, 109);  
box-shadow:4px 4px 4px 4px rgb(211, 78,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3487, 20.4018, 16.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 78, 109) }
```

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

```
.background{ background-color: rgb(211, 78,  
109) }
```

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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