

Converting Colors

XYZ(28.6703, 16.4295, 20.5263)

Have a look what the booklet for
XYZ(28.6703, 16.4295, 20.5263)
contains.

XYZ(28.5425, 16.4005, 20.4002)	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(28.5425, 16.4005,
20.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	C7387B
RGB	199, 56, 123
RGB Percent	78%, 22%, 48%
CMY	0.2196, 0.7804, 0.5176
CMYK	0.00, 0.72, 0.38, 0.22
HSL	332°, 56%, 50%
HSV	332°, 72%, 78%
XYZ	28.5425, 16.4005, 20.4002
YIQ	106.3950, 63.7210, 51.1530

Conversions

Conversions Part 2

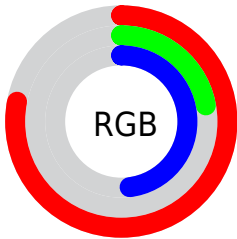
Format	Color
R_{YB}	199, 56, 123
Decimal	13056123
CIE _{Lab}	47.50, 61.14, -4.97
CIE _{LCh}	47, 61.341, 355.355
Yxy	16.4005, 0.4368, 0.2510
Android (android.graphics.Color)	4291246203 (0xFFC7387B)
YUV	106.3950, 8.1863, 81.2146
Hunter-Lab	40.4975, 54.9354, -1.5184

Details

The XYZ color **28.5425, 16.4005, 20.4002** 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 **26.2202, 43.3540, 28.8190**, and the grayscale version is **13.7750, 14.4923, 15.7821**.

A 20% lighter version of the original color is **54.9952, 36.3898, 44.6828**, and **12.0512, 6.0699, 7.0150** is the 20% darker color. If you saturate the color by 10%, you get **27.1356, 14.5898, 16.8391**, and if you desaturate by 10%, it is **30.4050, 19.0079, 24.4664**.

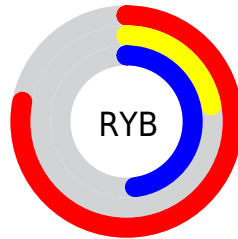
Distribution



Red (78%)

Green (22%)

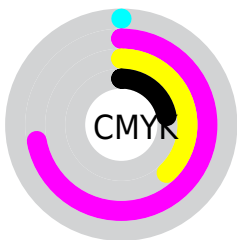
Blue (48%)



Red (78%)

Yellow (22%)

Blue (48%)

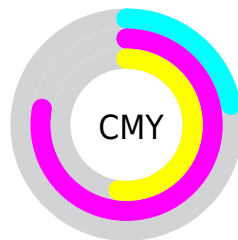


Cyan (0%)

Magenta (72%)

Yellow (38%)

Black (22%)



Cyan (22%)


Magenta (78%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5425, 16.4005, 20.4002 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 28.5425, 16.4005, 20.4002 by changing the saturation by 10% instead.

 28.5425, 16.4005,
20.4002


 28.5425, 16.4005,
20.4002

287.0835,
231.6935, 266.7490


 18.8775, 9.8080,
12.4993


 56.7520, 37.2921,
44.9549

 11.6853, 5.2718,
6.9581


 76.0273, 52.3600,
62.4458


 6.6004, 2.4076,
3.3578


 99.2367, 71.0218,
83.9705

 3.2576, 0.8298,
1.2801

 126.7456, 93.6620,
109.9474

 1.2914, 0.0000,
0.0454

 158.9194,
120.6648, 140.7952

 0.1768, 0.0000,
0.0000

196.1234,

 0.0000, 0.0000,

152.4147, 176.9324

0.0000

238.7230,
189.2962, 218.7775

■ 28.5425, 16.4005,
20.4002

■ 28.5425, 16.4005,
20.4002

■ 27.1356, 14.5898,
16.8391

■ 30.4050, 19.0079,
24.4664

■ 26.1323, 13.4752,
13.7543

■ 32.7645, 22.4914,
29.0618

■ 25.5392, 12.9365,
11.5608

■ 35.6589, 26.9234,
34.2093

■ 39.1219, 32.3683,
39.9301

■ 43.1844, 38.8846,
46.2438

■ 47.8749, 46.5263,
53.1691

■ 53.2200, 55.3439,
60.7237

■ 59.2447, 65.3846,
68.9244

■ 65.9727, 76.6931,
77.7874

Harmonies

Analogous

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



25.8987, 16.4005, 40.9349



28.5425, 16.4005, 20.4002



27.1077, 16.4005, 7.8407

Triad

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



28.5425, 16.4005, 20.4002



11.5168, 16.4005, 2.1483



10.3567, 16.4005, 55.6853

Complementary

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



28.5425, 16.4005, 20.4002



26.2202, 43.3540, 28.8190

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.



7.9054, 16.4005, 34.0426



28.5425, 16.4005, 20.4002



8.4576, 16.4005, 5.6513

Square

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



28.5425, 16.4005, 20.4002



16.4525, 16.4005, 1.5370



7.3013, 16.4005, 15.5351



14.7547, 16.4005, 67.5959

Rectangle

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



28.5425, 16.4005, 20.4002



24.1744, 16.4005, 3.8832



7.3013, 16.4005, 15.5351



9.3220, 16.4005, 48.8593

Sweetspot

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



28.5430, 16.4014, 20.4005



75.2560, 67.5071, 80.4289



20.9121, 11.6897, 55.1869



15.6689, 13.7415, 16.5444



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.



28.5430, 16.4014, 20.4005



46.4814, 24.3515, 26.4636



25.8001, 15.4935, 5.3733



10.8372, 10.7183, 12.1260



16.4658, 8.3359, 7.6627



0.8162, 0.4093, 0.5551

Inverse Universe

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



28.5430, 16.4014, 20.4005



46.4814, 24.3515, 26.4636



31.8195, 44.7232, 60.9882



10.8372, 10.7183, 12.1260



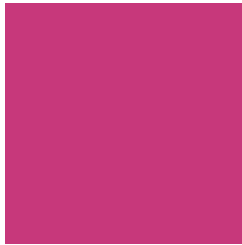
16.4658, 8.3359, 7.6627



0.8162, 0.4093, 0.5551

Previews

White Background



This preview shows how the XYZ color 28.5425, 16.4005, 20.4002 looks on a white background.

Color Contrast Check

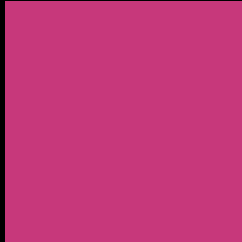
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.5425, 16.4005, 20.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

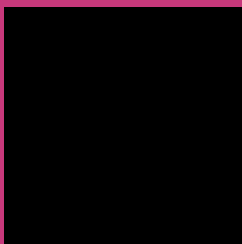
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5425, 16.4005, 20.4002

Background



This preview shows how black text looks on a background with the XYZ color 28.5425, 16.4005, 20.4002.



This preview shows how white text looks on a background with the XYZ color 28.5425, 16.4005,

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

28.5425, 16.4005, 20.4002

Protanopia

17.1978, 16.7442, 35.1264

Deuteranopia

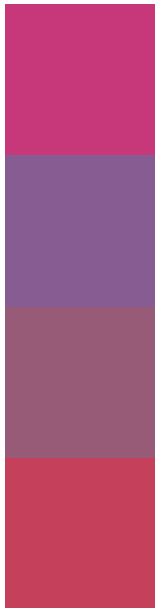
16.8967, 16.6238, 18.8412



Tritanopia

26.0957, 16.4730, 8.1076

Trichromacy



Original Color

28.5425, 16.4005, 20.4002

Protanomaly

19.0071, 14.8805, 29.0646

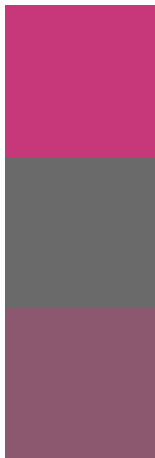
Deuteranomaly

19.7484, 15.2235, 19.3503

Tritanomaly

26.7477, 16.2924, 11.6325

Monochromacy



Original Color

28.5425, 16.4005, 20.4002

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.2296, 13.7247, 17.0703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5425, 16.4005, 20.4002 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(199, 56, 123)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 123)  
}
```

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(199, 56, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.5425, 16.4005, 20.4002 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(199, 56, 123) }
```


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

```
.border{ border-color:rgb(199, 56, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 56, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 123);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5425, 16.4005, 20.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 123) }
```

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

```
.background{ background-color: rgb(199, 56,  
123) }
```

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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