

Converting Colors

XYZ(29.5796, 17.7596, 16.3894)

Have a look what the booklet for
XYZ(29.5796, 17.7596, 16.3894)
contains.

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Color

**XYZ(29.5525, 17.7221,
16.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	CC416D
RGB	204, 65, 109
RGB Percent	80%, 25%, 43%
CMY	0.2000, 0.7451, 0.5725
CMYK	0.00, 0.68, 0.47, 0.20
HSL	341°, 58%, 53%
HSV	341°, 68%, 80%
XYZ	29.5525, 17.7221, 16.3311
YIQ	111.5770, 68.7200, 43.1520

Conversions

Conversions Part 2

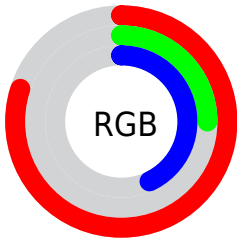
Format	Color
RYB	204, 65, 109
Decimal	13386093
CIELab	49.16, 57.88, 6.08
CIELCh	49, 58.199, 5.994
Yxy	17.7221, 0.4646, 0.2786
Android (android.graphics.Color)	4291576173 (0xFFCC416D)
YUV	111.5770, -1.2705, 81.0550
Hunter-Lab	42.0976, 51.6360, 6.4677

Details

The XYZ color **29.5525, 17.7221, 16.3311** 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 **30.1193, 46.8482, 40.7166**, and the grayscale version is **15.2678, 16.0629, 17.4925**.

A 20% lighter version of the original color is **54.4225, 37.4728, 37.6223**, and **12.3711, 6.2771, 5.1170** is the 20% darker color. If you saturate the color by 10%, you get **27.8935, 15.5117, 12.3640**, and if you desaturate by 10%, it is **31.7542, 20.8275, 21.0669**.

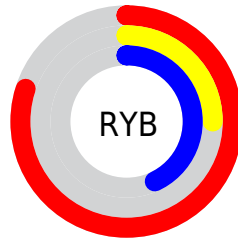
Distribution



Red (80%)

Green (25%)

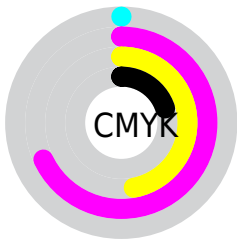
Blue (43%)



Red (80%)

Yellow (25%)

Blue (43%)

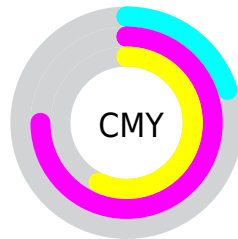


Cyan (0%)

Magenta (68%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (75%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5525, 17.7221, 16.3311 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 29.5525, 17.7221, 16.3311 by changing the saturation by 10% instead.


 29.5525, 17.7221,
16.3311


 29.5525, 17.7221,
16.3311


291.7604,
239.3000, 243.1997


 19.6456, 10.7507,
9.6019


 58.3453, 39.5632,
37.9468


 12.2444, 5.8994,
5.0337


 77.9618, 55.2017,
53.6704


 6.9837, 2.7840,
2.2079


 101.5455, 74.4979,
73.2291

 3.4982, 1.0200,
0.6789

 129.4619, 97.8364,
97.0416

 1.4224, 0.0000,
0.0000

 162.0762,
125.6014, 125.5264

 0.2721, 0.0000,
0.0000

199.7538,

 0.0000, 0.0000,

158.1774, 159.1019

0.0000

242.8601,
195.9488, 198.1869

■ 29.5525, 17.7221,
16.3311

■ 29.5525, 17.7221,
16.3311

■ 27.8935, 15.5117,
12.3640

■ 31.7542, 20.8275,
21.0669

■ 26.7223, 14.0951,
9.1192

■ 34.5434, 24.9089,
26.6117

■ 25.9614, 13.3273,
6.5412

■ 37.9615, 30.0413,
33.0036

■ 25.8435, 13.2140,
6.1241

■ 42.0457, 36.2916,
40.2782

■ 46.8302, 43.7212,
48.4685

■ 52.3467, 52.3867,
57.6061

■ 58.6251, 62.3414,
67.7206

■ 65.6934, 73.6353,
78.8408

■ 73.5784, 86.3157,
90.9938

Harmonies

Analogous

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



28.3353, 17.7221, 34.2496



29.5525, 17.7221, 16.3311



26.8166, 17.7221, 6.4928

Triad

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



29.5525, 17.7221, 16.3311



11.4092, 17.7221, 3.7815



12.9332, 17.7221, 61.7027

Complementary

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



29.5525, 17.7221, 16.3311



30.1193, 46.8482, 40.7166

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.



9.7130, 17.7221, 42.8323



29.5525, 17.7221, 16.3311



8.9750, 17.7221, 9.4862

Square

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



29.5525, 17.7221, 16.3311



15.7743, 17.7221, 2.1983



8.4288, 17.7221, 22.6004



17.9616, 17.7221, 67.1289

Rectangle

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



29.5525, 17.7221, 16.3311



23.4059, 17.7221, 3.5837



8.4288, 17.7221, 22.6004



11.6403, 17.7221, 56.3627

Sweetspot

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



29.5530, 17.7231, 16.3314



75.7699, 69.6206, 77.2533



27.2843, 15.6134, 58.7024



15.7246, 14.1343, 15.6952



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.



29.5530, 17.7231, 16.3314



45.1423, 24.3779, 17.6792



29.5539, 20.6144, 7.4237



11.3562, 11.2712, 12.4103



16.3038, 8.3321, 4.0525



0.8756, 0.4436, 0.3907

Inverse Universe

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



29.5530, 17.7231, 16.3314



45.1423, 24.3779, 17.6792



29.1033, 37.5312, 62.8371



11.3562, 11.2712, 12.4103



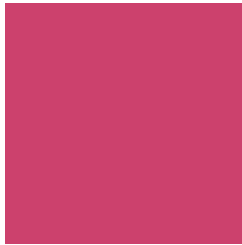
16.3038, 8.3321, 4.0525



0.8756, 0.4436, 0.3907

Previews

White Background



This preview shows how the XYZ color 29.5525, 17.7221, 16.3311 looks on a white background.

Color Contrast Check

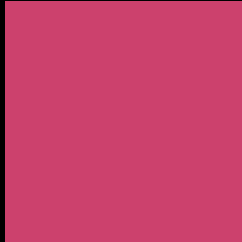
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5525, 17.7221, 16.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

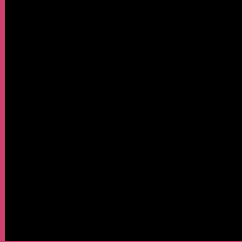
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5525, 17.7221, 16.3311

Background



This preview shows how black text looks on a background with the XYZ color 29.5525, 17.7221, 16.3311.

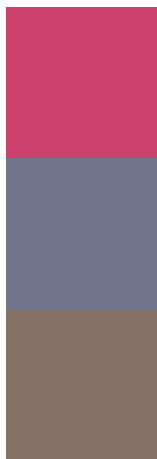


This preview shows how white text looks on a background with the XYZ color 29.5525, 17.7221,

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

29.5525, 17.7221, 16.3311

Protanopia

17.6429, 17.8365, 26.5577

Deuteranopia

18.1349, 17.8379, 15.0576



Tritanopia

27.9790, 17.7131, 8.7818

Trichromacy



Original Color

29.5525, 17.7221, 16.3311

Protanomaly

19.9595, 16.1927, 22.1522

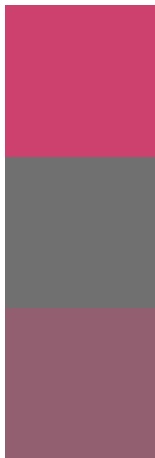
Deuteranomaly

21.0307, 16.7566, 15.4905

Tritanomaly

28.5182, 17.6573, 11.1377

Monochromacy



Original Color

29.5525, 17.7221, 16.3311

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.6385, 15.3519, 17.0198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5525, 17.7221, 16.3311 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(204, 65, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 65, 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(204, 65, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 65, 109) }
```

Border

The CSS property to change the border of an element to XYZ 29.5525, 17.7221, 16.3311 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(204, 65, 109) }
```


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

```
.border{ border-color:rgb(204, 65, 109) }
```

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

Here you see how a box with a 4 pixel rgb(204, 65, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 65, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 65, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 65,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5525, 17.7221, 16.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 65, 109) }
```

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

```
.background{ background-color: rgb(204, 65,  
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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