

Converting Colors

XYZ(28.8791, 18.0731, 13.5216)

Have a look what the booklet for
XYZ(28.8791, 18.0731, 13.5216)
contains.

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Color

**XYZ(28.8791, 18.0731,
13.5216)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4862
RGB	202, 72, 98
RGB Percent	79%, 28%, 38%
CMY	0.2078, 0.7176, 0.6157
CMYK	0.00, 0.64, 0.51, 0.21
HSL	348°, 55%, 54%
HSV	348°, 64%, 79%
XYZ	28.8791, 18.0731, 13.5216
YIQ	113.8340, 69.1340, 35.6460

Conversions

Conversions Part 2

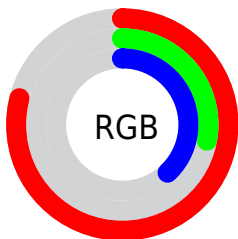
Format	Color
R_{YB}	202, 72, 98
Decimal	13256802
CIE Lab	49.58, 53.45, 13.29
CIE LCh	50, 55.075, 13.969
Yxy	18.0731, 0.4775, 0.2989
Android (android.graphics.Color)	4291446882 (0xFFCA4862)
YUV	113.8340, -7.8062, 77.3216
Hunter-Lab	42.5125, 46.8598, 10.9008

Details

The XYZ color **28.8791, 18.0731, 13.5216** 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 **31.6307, 46.7539, 48.4352**, and the grayscale version is **15.9534, 16.7842, 18.2780**.

A 20% lighter version of the original color is **54.1747, 38.5769, 32.6077**, and **11.7860, 6.0204, 3.7897** is the 20% darker color. If you saturate the color by 10%, you get **27.0934, 15.6021, 9.5342**, and if you desaturate by 10%, it is **31.2487, 21.4654, 18.4640**.

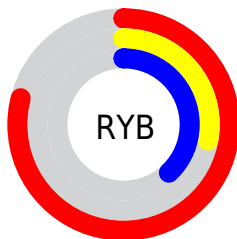
Distribution



Red (79%)

Green (28%)

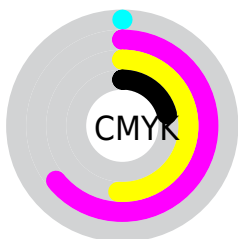
Blue (38%)



Red (79%)

Yellow (28%)

Blue (38%)

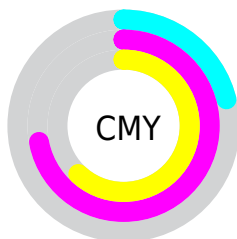


Cyan (0%)

Magenta (64%)

Yellow (51%)

Black (21%)



Cyan (21%)


Magenta (72%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8791, 18.0731, 13.5216 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 28.8791, 18.0731, 13.5216 by changing the saturation by 10% instead.


 28.8791, 18.0731,
13.5216


 28.8791, 18.0731,
13.5216


288.6486,
241.2828, 225.5580


 19.1332, 11.0025,
7.6538


 57.2838, 40.1618,
32.9426


 11.8711, 6.0685,
3.7896


 76.6734, 55.9488,
47.3327


 6.7276, 2.8868,
1.5107


 100.0082, 75.4099,
65.4008

 3.3371, 1.0729,
0.2258

 127.6536, 98.9297,
87.5653

 1.3344, 0.0000,
0.0000

 159.9750,
126.8924, 114.2447

 0.2088, 0.0000,
0.0000

197.3377,

 0.0000, 0.0000,

159.6826, 145.8576

0.0000

240.1071,
197.6846, 182.8225

■ 28.8791, 18.0731,
13.5216

■ 28.8791, 18.0731,
13.5216

■ 27.0934, 15.6021,
9.5342

■ 31.2487, 21.4654,
18.4640

■ 25.8370, 13.9581,
6.4371

■ 34.2473, 25.8554,
24.4182

■ 25.0469, 13.0315,
4.1586

■ 37.9169, 31.3147,
31.4374

■ 24.7468, 12.7124,
3.1920

■ 42.2958, 37.9076,
39.5709

■ 47.4190, 45.6933,
48.8648

■ 53.3194, 54.7269,
59.3625

■ 60.0277, 65.0598,
71.1052

■ 67.5731, 76.7409,
84.1321

■ 75.9833, 89.8162,
98.4809

Harmonies

Analogous

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



28.7471, 18.0731, 28.7350



28.8791, 18.0731, 13.5216



25.4644, 18.0731, 5.7053

Triad

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



28.8791, 18.0731, 13.5216



11.1078, 18.0731, 5.3907



14.5518, 18.0731, 62.2693

Complementary

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



28.8791, 18.0731, 13.5216



31.6307, 46.7539, 48.4352

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.



10.9179, 18.0731, 47.1526



28.8791, 18.0731, 13.5216



9.2225, 18.0731, 12.7581

Square

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



28.8791, 18.0731, 13.5216



14.8665, 18.0731, 2.8859



9.1608, 18.0731, 27.4676



19.7173, 18.0731, 62.8484

Rectangle

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



28.8791, 18.0731, 13.5216



21.9715, 18.0731, 3.4996



9.1608, 18.0731, 27.4676



13.1378, 18.0731, 58.4723

Sweetspot

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



28.8796, 18.0741, 13.5219



75.8694, 70.6381, 74.7629



30.8833, 18.1302, 57.7488



15.7118, 14.3189, 15.0427



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.



28.8796, 18.0741, 13.5219



44.9865, 25.2322, 14.0326



31.2120, 24.3945, 9.1958



11.3025, 11.2497, 12.1277



15.9500, 8.1906, 2.1896



0.8505, 0.4336, 0.2585

Inverse Universe

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



28.8796, 18.0741, 13.5219



44.9865, 25.2322, 14.0326



26.4313, 31.8374, 60.6292



11.3025, 11.2497, 12.1277



15.9500, 8.1906, 2.1896



0.8505, 0.4336, 0.2585

Previews

White Background



This preview shows how the XYZ color 28.8791, 18.0731, 13.5216 looks on a white background.

Color Contrast Check

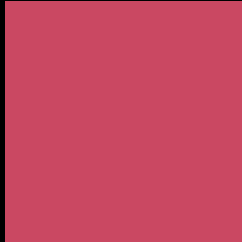
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8791, 18.0731, 13.5216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

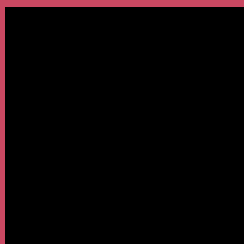
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8791, 18.0731, 13.5216

Background



This preview shows how black text looks on a background with the XYZ color 28.8791, 18.0731, 13.5216.



This preview shows how white text looks on a background with the XYZ color 28.8791, 18.0731,

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

28.8791, 18.0731, 13.5216

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

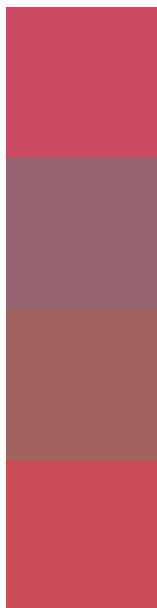
18.5965, 18.2963, 12.6766



Tritanopia

28.0514, 18.0288, 9.5909

Trichromacy



Original Color

28.8791, 18.0731, 13.5216

Protanomaly

20.2120, 16.9836, 17.8357

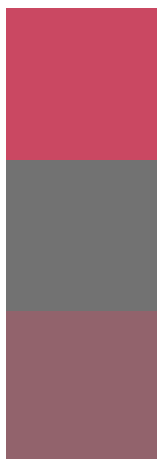
Deuteranomaly

21.3825, 17.4132, 12.8238

Tritanomaly

28.2565, 18.0032, 11.0025

Monochromacy



Original Color

28.8791, 18.0731, 13.5216

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0227, 16.1174, 16.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8791, 18.0731, 13.5216 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, 72, 98)` looks like.

```
.text, #text, p{  
    color:rgb(202, 72, 98)  
}
```

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, 72, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 72, 98) }
```

Border

The CSS property to change the border of an element to XYZ 28.8791, 18.0731, 13.5216 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, 72, 98) }
```


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

```
.border{ border-color:rgb(202, 72, 98) }
```

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

Here you see how a box with a 4 pixel rgb(202, 72, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 72, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 72, 98);  
box-shadow:4px 4px 4px 4px rgb(202, 72,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8791, 18.0731, 13.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 72, 98) }
```

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

```
.background{ background-color: rgb(202, 72,  
98) }
```

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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