

Converting Colors

XYZ(28.4203, 16.1165, 13.1308)

Have a look what the booklet for
XYZ(28.4203, 16.1165, 13.1308)
contains.

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Color

**XYZ(28.5220, 16.1422,
13.1677)**

Conversions

Conversions Part 1

Format	Color
Hex	CD3262
RGB	205, 50, 98
RGB Percent	80%, 20%, 38%
CMY	0.1961, 0.8039, 0.6157
CMYK	0.00, 0.76, 0.52, 0.20
HSL	341°, 61%, 50%
HSV	341°, 76%, 80%
XYZ	28.5220, 16.1422, 13.1677
YIQ	101.8170, 76.9720, 47.7880

Conversions

Conversions Part 2

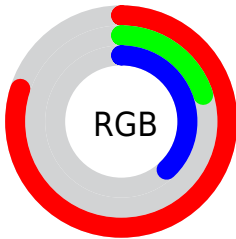
Format	Color
R_{YB}	205, 50, 98
Decimal	13447778
CIE Lab	47.16, 62.50, 9.99
CIE LCh	47, 63.298, 9.084
Yxy	16.1422, 0.4932, 0.2791
Android (android.graphics.Color)	4291637858 (0xFFCD3262)
YUV	101.8170, -1.8818, 90.4915
Hunter-Lab	40.1774, 56.4072, 8.6925

Details

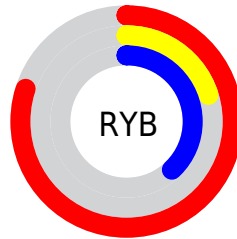
The XYZ color **28.5220, 16.1422, 13.1677** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **29.2339, 46.7755, 39.3911**, and the grayscale version is **12.5735, 13.2283, 14.4057**.

A 20% lighter version of the original color is **52.1612, 34.5500, 31.9366**, and **12.1214, 6.1772, 3.8023** is the 20% darker color. If you saturate the color by 10%, you get **27.2230, 14.5208, 9.7242**, and if you desaturate by 10%, it is **30.3322, 18.5970, 17.3648**.

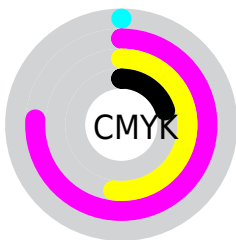
Distribution



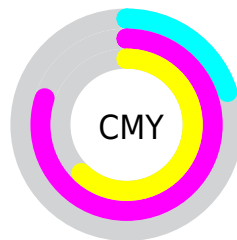
- Red (80%)
- Green (20%)
- Blue (38%)



- Red (80%)
- Yellow (20%)
- Blue (38%)



- Cyan (0%)
- Magenta (76%)
- Yellow (52%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5220, 16.1422, 13.1677 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 28.5220, 16.1422, 13.1677 by changing the saturation by 10% instead.

 28.5220, 16.1422,
13.1677


 28.5220, 16.1422,
13.1677

286.9879,
230.1794, 223.2351


 18.8620, 9.6248,
7.4120


 56.7196, 36.8449,
32.3003


 11.6740, 5.1509,
3.6388


 75.9879, 51.7990,
46.5144


 6.5927, 2.3361,
1.4293


 99.1897, 70.3342,
64.3850

 3.2528, 0.7927,
0.1644

 126.6902, 92.8348,
86.3307

 1.2888, 0.0000,
0.0000

 158.8550,
119.6852, 112.7700

 0.1748, 0.0000,
0.0000

196.0493,

 0.0000, 0.0000,

151.2698, 144.1215

0.0000

238.6385,
187.9731, 180.8037

■ 28.5220, 16.1422,
13.1677

■ 28.5220, 16.1422,
13.1677

■ 27.2230, 14.5208,
9.7242

■ 30.3322, 18.5970,
17.3648

■ 26.3704, 13.6130,
6.9817

■ 32.7044, 21.9775,
22.3605

■ 26.0872, 13.3433,
5.9728

■ 35.6846, 26.3669,
28.1969

■ 39.3133, 31.8383,
34.9126

■ 43.6274, 38.4577,
42.5434

■ 48.6610, 46.2861,
51.1233

■ 54.4458, 55.3799,
60.6843

■ 61.0118, 65.7923,
71.2570

■ 68.3870, 77.5730,
82.8705

Harmonies

Analogous

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



27.6674, 16.1422, 30.9453



28.5220, 16.1422, 13.1677



25.2390, 16.1422, 4.4693

Triad

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



28.5220, 16.1422, 13.1677



9.5364, 16.1422, 2.9053



11.8305, 16.1422, 64.5632

Complementary

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



28.5220, 16.1422, 13.1677



29.2339, 46.7755, 39.3911

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.



8.4448, 16.1422, 44.8450



28.5220, 16.1422, 13.1677



7.3601, 16.1422, 8.7479

Square

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



28.5220, 16.1422, 13.1677



13.7143, 16.1422, 1.3591



7.0157, 16.1422, 22.8727



17.0951, 16.1422, 68.5350

Rectangle

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



28.5220, 16.1422, 13.1677



21.5240, 16.1422, 2.2145



7.0157, 16.1422, 22.8727



10.4750, 16.1422, 59.1624

Sweetspot

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



28.5224, 16.1431, 13.1680



73.2618, 65.7791, 72.7954



25.8553, 13.7499, 59.0485



15.0777, 13.1465, 14.5363



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.



28.5224, 16.1431, 13.1680



43.6018, 22.6934, 12.8608



28.5074, 18.7190, 5.1296



11.3530, 11.2699, 12.3935



16.2782, 8.3219, 3.9175



0.8740, 0.4430, 0.3823

Inverse Universe

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



28.5224, 16.1431, 13.1680



43.6018, 22.6934, 12.8608



27.9757, 36.3668, 63.3023



11.3530, 11.2699, 12.3935



16.2782, 8.3219, 3.9175



0.8740, 0.4430, 0.3823

Previews

White Background



This preview shows how the XYZ color 28.5220, 16.1422, 13.1677 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 28.5220, 16.1422, 13.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

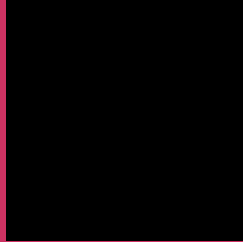
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5220, 16.1422, 13.1677

Background



This preview shows how black text looks on a background with the XYZ color 28.5220, 16.1422, 13.1677.



This preview shows how white text looks on a background with the XYZ color 28.5220, 16.1422,

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

28.5220, 16.1422, 13.1677

Protanopia

16.1301, 16.4513, 23.4444

Deuteranopia

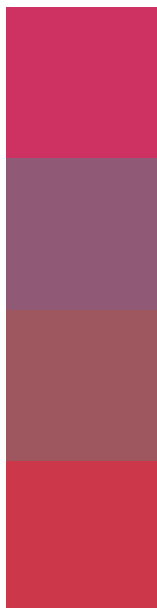
16.6110, 16.3057, 12.1694



Tritanopia

27.0349, 16.1614, 6.1094

Trichromacy



Original Color

28.5220, 16.1422, 13.1677

Protanomaly

18.3440, 14.3821, 18.9487

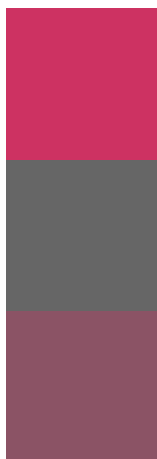
Deuteranomaly

19.5291, 14.8936, 12.4351

Tritanomaly

27.5520, 16.1601, 8.1456

Monochromacy



Original Color

28.5220, 16.1422, 13.1677

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.0897, 12.6151, 13.8989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5220, 16.1422, 13.1677 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(205, 50, 98)` looks like.

```
.text, #text, p{  
    color:rgb(205, 50, 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(205, 50, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 50, 98) }
```

Border

The CSS property to change the border of an element to XYZ 28.5220, 16.1422, 13.1677 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(205, 50, 98) }
```


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

```
.border{ border-color:rgb(205, 50, 98) }
```

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

Here you see how a box with a 4 pixel rgb(205, 50, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 50, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 50, 98);  
box-shadow:4px 4px 4px 4px rgb(205, 50,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5220, 16.1422, 13.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 50, 98) }
```

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

```
.background{ background-color: rgb(205, 50,  
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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