

Converting Colors

XYZ(28.7098, 15.2340, 13.7402)

Have a look what the booklet for
XYZ(28.7098, 15.2340, 13.7402)
contains.

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Color

**XYZ(28.8257, 15.2780,
13.7416)**

Conversions

Conversions Part 1

Format	Color
Hex	D01E65
RGB	208, 30, 101
RGB Percent	82%, 12%, 40%
CMY	0.1843, 0.8823, 0.6039
CMYK	0.00, 0.86, 0.51, 0.18
HSL	336°, 75%, 47%
HSV	336°, 86%, 82%
XYZ	28.8257, 15.2780, 13.7416
YIQ	91.3160, 83.2970, 59.8170

Conversions

Conversions Part 2

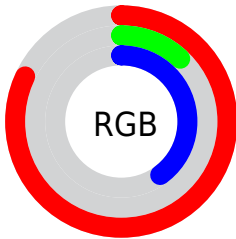
Format	Color
R_{YB}	208, 30, 101
Decimal	13639269
CIE _{Lab}	46.01, 68.64, 6.60
CIE _{LCh}	46, 68.952, 5.491
Yxy	15.2780, 0.4983, 0.2641
Android (android.graphics.Color)	4291829349 (0xFFD01E65)
YUV	91.3160, 4.7742, 102.3319
Hunter-Lab	39.0871, 63.2367, 6.5167

Details

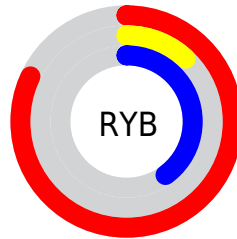
The XYZ color **28.8257, 15.2780, 13.7416** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.6083, 47.1946, 31.3276**, and the grayscale version is **9.9939, 10.5144, 11.4502**.

A 20% lighter version of the original color is **51.2752, 32.2624, 33.2305**, and **12.7222, 6.4789, 4.1944** is the 20% darker color. If you saturate the color by 10%, you get **27.8945, 14.3228, 10.6349**, and if you desaturate by 10%, it is **30.1974, 16.9653, 17.4553**.

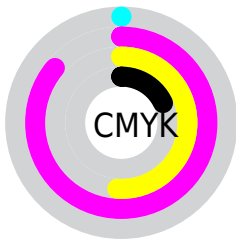
Distribution



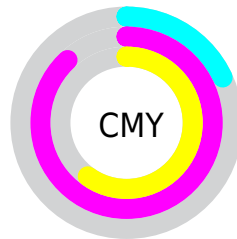
- Red (82%)
- Green (12%)
- Blue (40%)



- Red (82%)
- Yellow (12%)
- Blue (40%)



- Cyan (0%)
- Magenta (86%)
- Yellow (51%)
- Black (18%)




- Cyan (18%)
- Magenta (88%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8257, 15.2780, 13.7416 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 28.8257, 15.2780, 13.7416 by changing the saturation by 10% instead.

 28.8257, 15.2780,
13.7416


 28.8257, 15.2780,
13.7416


288.4007,
225.0428, 226.9896


 19.0926, 9.0147,
7.8045


 57.1995, 35.3401,
33.3403


 11.8416, 4.7508,
3.8841


 76.5710, 49.9078,
47.8390


 6.7074, 2.1018,
1.5620


 99.8859, 68.0124,
66.0286

 3.3245, 0.6656,
0.2635

 127.5098, 90.0382,
88.3277

 1.3276, 0.0000,
0.0000

 159.8078,
116.3698, 115.1548

 0.2037, 0.0000,
0.0000

 197.1454,

 0.0000, 0.0000,

147.3915, 146.9285

0.0000

239.8879,
183.4877, 184.0672

■ 28.8257, 15.2780,
13.7416

■ 28.8257, 15.2780,
13.7416

■ 27.8945, 14.3228,
10.6349

■ 30.1974, 16.9653,
17.4553

■ 27.5720, 14.0337,
9.4300

■ 32.0716, 19.5019,
21.8157

■ 34.5006, 22.9866,
26.8588

■ 37.5292, 27.5036,
32.6168

■ 41.1977, 33.1280,
39.1195

■ 45.5426, 39.9275,
46.3950

■ 50.5974, 47.9645,
54.4696

■ 56.3935, 57.2970,
63.3681

■ 62.9604, 67.9793,
73.1145

Harmonies

Analogous

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



27.3343, 15.2780, 33.8766



28.8257, 15.2780, 13.7416



25.7275, 15.2780, 4.0727

Triad

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



28.8257, 15.2780, 13.7416



8.9253, 15.2780, 1.7819



10.3405, 15.2780, 66.4643

Complementary

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



28.8257, 15.2780, 13.7416



27.6083, 47.1946, 31.3276

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.



7.1586, 15.2780, 43.1896



28.8257, 15.2780, 13.7416



6.5083, 15.2780, 6.5373

Square

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



28.8257, 15.2780, 13.7416



13.4723, 15.2780, 0.7478



5.9616, 15.2780, 19.9088



15.6234, 15.2780, 73.6378

Rectangle

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



28.8257, 15.2780, 13.7416



21.8636, 15.2780, 1.7115



5.9616, 15.2780, 19.9088



9.0398, 15.2780, 59.7465

Sweetspot

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



28.8261, 15.2789, 13.7418



71.6571, 62.4398, 72.6609



22.1348, 10.7855, 60.5896



14.8001, 12.5200, 14.6637



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.



28.8261, 15.2789, 13.7418



43.6234, 22.2134, 14.4807



27.2964, 15.6026, 2.8024



12.0013, 11.8852, 13.2824



17.2292, 8.7645, 6.1130



1.0021, 0.5055, 0.5457

Inverse Universe

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



28.8261, 15.2789, 13.7418



43.6234, 22.2134, 14.4807



30.3782, 41.7447, 66.1309



12.0013, 11.8852, 13.2824



17.2292, 8.7645, 6.1130



1.0021, 0.5055, 0.5457

Previews

White Background



This preview shows how the XYZ color 28.8257, 15.2780, 13.7416 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 28.8257, 15.2780, 13.7416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

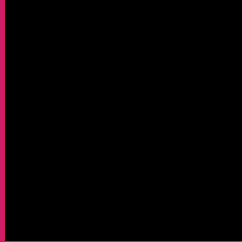
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8257, 15.2780, 13.7416

Background



This preview shows how black text looks on a background with the XYZ color 28.8257, 15.2780, 13.7416.



This preview shows how white text looks on a background with the XYZ color 28.8257, 15.2780,

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

28.8257, 15.2780, 13.7416

Protanopia

15.8306, 15.7151, 27.7901

Deuteranopia

15.8822, 15.6104, 12.5320



Tritanopia

27.0649, 15.4575, 4.4628

Trichromacy



Original Color

28.8257, 15.2780, 13.7416

Protanomaly

17.6839, 12.9323, 21.6428

Deuteranomaly

18.5460, 13.3612, 12.6678

Tritanomaly

27.5685, 15.2686, 6.9630

Monochromacy



Original Color

28.8257, 15.2780, 13.7416

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.0252, 10.1508, 12.0466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8257, 15.2780, 13.7416 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(208, 30, 101)` looks like.

```
.text, #text, p{  
    color:rgb(208, 30, 101)  
}
```

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(208, 30, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 30, 101) }
```

Border

The CSS property to change the border of an element to XYZ 28.8257, 15.2780, 13.7416 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(208, 30, 101) }
```


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

```
.border{ border-color:rgb(208, 30, 101) }
```

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

Here you see how a box with a 4 pixel rgb(208, 30, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 30, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 30, 101);  
box-shadow:4px 4px 4px 4px rgb(208, 30,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8257, 15.2780, 13.7416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 30, 101) }
```

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

```
.background{ background-color: rgb(208, 30,  
101) }
```

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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