

# Converting Colors

XYZ(28.6972, 14.3555, 21.1517)

Have a look what the booklet for  
XYZ(28.6972, 14.3555, 21.1517)  
contains.

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# Color

**XYZ(28.6677, 14.3437,  
20.9963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC007E
RGB	204, 0, 126
RGB Percent	80%, 0%, 49%
CMY	0.2000, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.38, 0.20
HSL	323°, 100%, 40%
HSV	323°, 100%, 80%
XYZ	28.6677, 14.3437, 20.9963
YIQ	75.3600, 81.1380, 82.4340

# Conversions

## Conversions Part 2

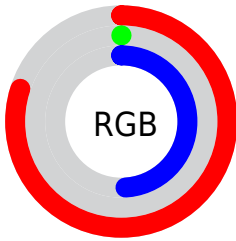
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 0, 126
Decimal	13369470
CIELab	44.72, 73.58, -10.85
CIElCh	45, 74.380, 351.609
Yxy	14.3437, 0.4479, 0.2241
Android (android.graphics.Color)	4291559550 (0xFFCC007E)
YUV	75.3600, 24.9655, 112.8173
Hunter-Lab	37.8731, 68.8362, -6.3584

# Details

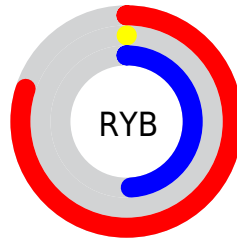
The XYZ color **28.6677, 14.3437, 20.9963** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.9698, 43.7365, 14.4460**, and the grayscale version is **6.7025, 7.0515, 7.6791**.

A 20% lighter version of the original color is **52.9491, 31.6594, 45.9680**, and **12.8412, 6.4651, 7.5923** is the 20% darker color. If you saturate the color by 10%, you get **28.6668, 14.3434, 20.9916**, and if you desaturate by 10%, it is **29.4490, 15.0689, 23.8382**.

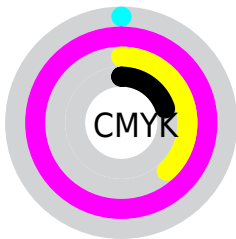
# Distribution



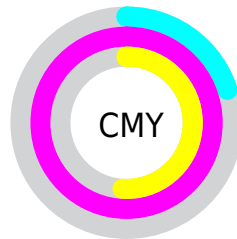
- Red (80%)
- Green (0%)
- Blue (49%)



- Red (80%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6677, 14.3437, 20.9963 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 28.6677, 14.3437, 20.9963 by changing the saturation by 10% instead.




 28.6677, 14.3437,  
20.9963


 28.6677, 14.3437,  
20.9963


287.6664,  
219.3586, 270.0392


 18.9726, 8.3601,  
12.9301


 56.9499, 33.6976,  
45.9621

 11.7544, 4.3262,  
7.2503


 76.2678, 47.8368,  
63.6987


 6.6477, 1.8577,  
3.5383


 99.5239, 65.4632,  
85.4959

 3.2871, 0.5227,  
1.3756

 127.0837, 86.9613,  
111.7722

 1.3073, 0.0000,  
0.1226

 159.3125,  
112.7155, 142.9462

 0.1887, 0.0000,  
0.0000

 196.5756,

 0.0000, 0.0000,

143.1102, 179.4363

0.0000

239.2385,  
178.5298, 221.6611

■ 28.6677, 14.3437,  
20.9963

■ 28.6677, 14.3437,  
20.9963

■ 28.6668, 14.3434,  
20.9916

■ 29.4490, 15.0689,  
23.8382

■ 30.5418, 16.3531,  
26.9819

■ 32.0404, 18.3831,  
30.4629

■ 33.9952, 21.2587,  
34.3021

■ 36.4490, 25.0642,  
38.5175

■ 39.4394, 29.8737,  
43.1256

■ 43.0003, 35.7536,  
48.1413

■ 47.1626, 42.7646,  
53.5784

■ 51.9550, 50.9629,  
59.4501

# Harmonies

## Analogous

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



24.9233, 14.3437, 46.7526



28.6677, 14.3437, 20.9963



27.5460, 14.3437, 6.2866

# Triad

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



28.6677, 14.3437, 20.9963



9.7851, 14.3437, 0.5561



7.6140, 14.3437, 58.9342

# Complementary

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



28.6677, 14.3437, 20.9963



22.9698, 43.7365, 14.4460

# 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.



5.4307, 14.3437, 31.3641



28.6677, 14.3437, 20.9963



6.4017, 14.3437, 2.7250

# Square

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



28.6677, 14.3437, 20.9963



15.4006, 14.3437, 0.2463



5.0644, 14.3437, 11.2466



12.0065, 14.3437, 77.1182



# Rectangle

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



28.6677, 14.3437, 20.9963



24.3011, 14.3437, 2.3018



5.0644, 14.3437, 11.2466



6.6586, 14.3437, 49.7910

# Sweetspot

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



28.6681, 14.3445, 20.9965



70.9525, 58.7771, 79.3736



13.7873, 5.8492, 57.5290



14.6259, 11.6496, 16.2144



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.



28.6681, 14.3445, 20.9965



47.3671, 23.7108, 34.1949



25.1027, 12.9184, 2.2215



11.4986, 11.3282, 13.1604



18.0899, 9.0465, 13.4579



0.9695, 0.4812, 0.8855



# Inverse Universe

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



28.6681, 14.3445, 20.9965



47.3671, 23.7108, 34.1949



29.5097, 46.3525, 48.8847



11.4986, 11.3282, 13.1604



18.0899, 9.0465, 13.4579



0.9695, 0.4812, 0.8855



# Previews

## White Background



This preview shows how the XYZ color 28.6677, 14.3437, 20.9963 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 28.6677, 14.3437, 20.9963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

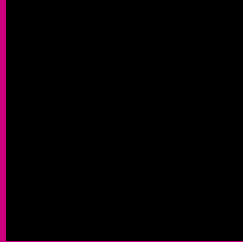
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 28.6677, 14.3437, 20.9963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6677, 14.3437, 20.9963.



This preview shows how white text looks on a background with the XYZ color 28.6677, 14.3437,



# 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

28.6677, 14.3437, 20.9963

### Protanopia

16.5551, 15.2220, 45.7817

### Deuteranopia

15.2019, 14.9649, 18.9169



## Tritanopia

25.5576, 14.7996, 4.6415

# Trichromacy



## Original Color

28.6677, 14.3437, 20.9963



## Protanomaly

16.6086, 10.7985, 34.9272



## Deuteranomaly

17.4299, 11.5734, 19.0845



## Tritanomaly

25.9791, 14.0006, 8.5409

# Monochromacy



## Original Color

28.6677, 14.3437, 20.9963



## Achromatopsia

6.6877, 7.0360, 7.6622



## Achromatomaly

11.1034, 7.0596, 11.3671

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6677, 14.3437, 20.9963 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, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 126)  
}
```

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, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6677, 14.3437, 20.9963 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, 0, 126) }
```



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

```
.border{ border-color:rgb(204, 0, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6677, 14.3437, 20.9963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 126) }
```

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

```
.background{ background-color: rgb(204, 0,  
126) }
```

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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