

Converting Colors

XYZ(28.7457, 14.3749, 21.4066)

Have a look what the booklet for
XYZ(28.7457, 14.3749, 21.4066)
contains.

XYZ(28.7326, 14.3697, 21.3379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7326, 14.3697,
21.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	CC007F
RGB	204, 0, 127
RGB Percent	80%, 0%, 50%
CMY	0.2000, 0.9998, 0.5020
CMYK	0.00, 1.00, 0.38, 0.20
HSL	323°, 100%, 40%
HSV	323°, 100%, 80%
XYZ	28.7326, 14.3697, 21.3379
YIQ	75.4740, 80.8170, 82.7450

Conversions

Conversions Part 2

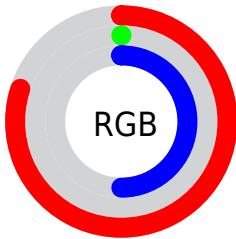
Format	Color
RYB	204, 0, 127
Decimal	13369471
CIELab	44.76, 73.68, -11.41
CIELCh	45, 74.558, 351.194
Yxy	14.3697, 0.4459, 0.2230
Android (android.graphics.Color)	4291559551 (0xFFCC007F)
YUV	75.4740, 25.4023, 112.7173
Hunter-Lab	37.9074, 68.9594, -6.8389

Details

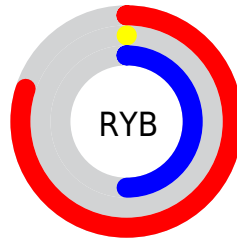
The XYZ color **28.7326, 14.3697, 21.3379** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.9343, 43.7223, 14.2589**, and the grayscale version is **6.7226, 7.0727, 7.7022**.

A 20% lighter version of the original color is **53.0506, 31.7000, 46.5027**, and **12.8767, 6.4794, 7.7797** is the 20% darker color. If you saturate the color by 10%, you get **28.7316, 14.3693, 21.3329**, and if you desaturate by 10%, it is **29.5120, 15.0942, 24.1697**.

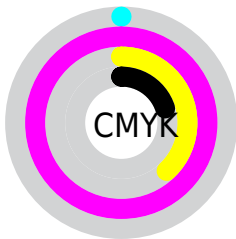
Distribution



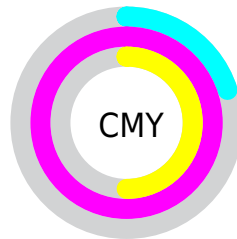
- Red (80%)
- Green (0%)
- Blue (50%)



- Red (80%)
- Yellow (0%)
- Blue (50%)



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



- Cyan (20%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7326, 14.3697, 21.3379 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 28.7326, 14.3697, 21.3379 by changing the saturation by 10% instead.

■ 28.7326, 14.3697,
21.3379

■ 28.7326, 14.3697,
21.3379

287.9682,
219.5188, 271.9086

■ 19.0219, 8.3782,
13.1776

■ 57.0525, 33.7436,
46.5373

■ 11.7902, 4.3379,
7.4188

■ 76.3924, 47.8948,
64.4134

■ 6.6722, 1.8643,
3.6430

■ 99.6727, 65.5347,
86.3653

■ 3.3024, 0.5268,
1.4316

■ 127.2588, 87.0477,
112.8113

■ 1.3156, 0.0000,
0.1662

■ 159.5160,
112.8183, 144.1701

■ 0.1949, 0.0000,
0.0000

■ 196.8098,

■ 0.0000, 0.0000,

143.2307, 180.8603

0.0000

239.5054,
178.6694, 223.3003

■ 28.7326, 14.3697,
21.3379

■ 28.7326, 14.3697,
21.3379

■ 28.7316, 14.3693,
21.3329

■ 29.5120, 15.0942,
24.1697

■ 30.6020, 16.3773,
27.2984

■ 32.0968, 18.4058,
30.7593

■ 34.0468, 21.2796,
34.5732

■ 36.4949, 25.0829,
38.7580

■ 39.4785, 29.8897,
43.3298

■ 43.0314, 35.7665,
48.3035

■ 47.1847, 42.7740,
53.6928

■ 51.9670, 50.9684,
59.5106

Harmonies

Analogous

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



24.9139, 14.3697, 47.3085



28.7326, 14.3697, 21.3379



27.6762, 14.3697, 6.4096

Triad

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



28.7326, 14.3697, 21.3379



9.8599, 14.3697, 0.5352



7.5744, 14.3697, 58.7882

Complementary

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



28.7326, 14.3697, 21.3379



22.9343, 43.7223, 14.2589

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.



5.4135, 14.3697, 31.0982



28.7326, 14.3697, 21.3379



6.4353, 14.3697, 2.6599

Square

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



28.7326, 14.3697, 21.3379



15.5227, 14.3697, 0.2441



5.0695, 14.3697, 11.0689



11.9489, 14.3697, 77.3235

Rectangle

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



28.7326, 14.3697, 21.3379



24.4503, 14.3697, 2.3458



5.0695, 14.3697, 11.0689



6.6264, 14.3697, 49.5740

Sweetspot

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



28.7330, 14.3705, 21.3381



71.0039, 58.7977, 79.6443



13.7875, 5.8493, 57.5290



14.6381, 11.6545, 16.2789



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.



28.7330, 14.3705, 21.3381



47.4748, 23.7539, 34.7618



25.1028, 12.9184, 2.2216



11.5010, 11.3291, 13.1728



18.1305, 9.0628, 13.6720



0.9715, 0.4820, 0.8956

Inverse Universe

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



28.7330, 14.3705, 21.3381



47.4748, 23.7539, 34.7618



29.5097, 46.3525, 48.8848



11.5010, 11.3291, 13.1728



18.1305, 9.0628, 13.6720



0.9715, 0.4820, 0.8956

Previews

White Background



This preview shows how the XYZ color 28.7326, 14.3697, 21.3379 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 28.7326, 14.3697, 21.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

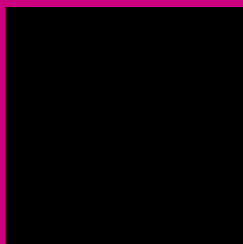
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7326, 14.3697, 21.3379

Background



This preview shows how black text looks on a background with the XYZ color 28.7326, 14.3697, 21.3379.



This preview shows how white text looks on a background with the XYZ color 28.7326, 14.3697,

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

28.7326, 14.3697, 21.3379

Protanopia

16.5780, 15.2220, 46.3203

Deuteranopia

15.2610, 14.9886, 19.2283



Tritanopia

25.3136, 14.6713, 4.7465

Trichromacy



Original Color

28.7326, 14.3697, 21.3379



Protanomaly

16.6971, 10.8339, 35.3935



Deuteranomaly

17.4910, 11.5978, 19.4059



Tritanomaly

26.0152, 14.0150, 8.7312

Monochromacy



Original Color

28.7326, 14.3697, 21.3379



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 28.7326, 14.3697, 21.3379 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 28.7326, 14.3697, 21.3379 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, 127) }
```


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

```
.border{ border-color:rgb(204, 0, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7326, 14.3697, 21.3379 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, 127) }
```

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

```
.background{ background-color: rgb(204, 0,  
127) }
```

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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