

Converting Colors

XYZ(27.9534, 14.2221, 9.8184)

Have a look what the booklet for
XYZ(27.9534, 14.2221, 9.8184)
contains.

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Color

**XYZ(27.9342, 14.2112,
9.8651)**

Conversions

Conversions Part 1

Format	Color
Hex	D10055
RGB	209, 0, 85
RGB Percent	82%, 0%, 33%
CMY	0.1804, 0.9998, 0.6667
CMYK	0.00, 1.00, 0.59, 0.18
HSL	336°, 100%, 41%
HSV	336°, 100%, 82%
XYZ	27.9342, 14.2112, 9.8651
YIQ	72.1810, 97.2790, 70.7430

Conversions

Conversions Part 2

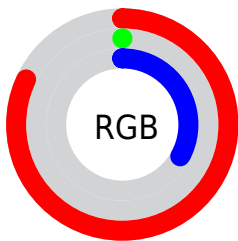
Format	Color
R_{YB}	209, 0, 85
Decimal	13697109
CIE _{Lab}	44.53, 71.51, 14.54
CIE _{LCh}	45, 72.972, 11.495
Yxy	14.2112, 0.5371, 0.2732
Android (android.graphics.Color)	4291887189 (0xFFD10055)
YUV	72.1810, 6.3198, 119.9903
Hunter-Lab	37.6977, 66.2983, 10.8729

Details

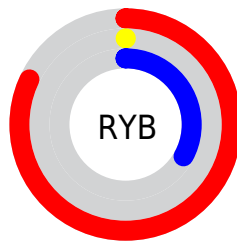
The XYZ color **27.9342, 14.2112, 9.8651** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **26.4417, 47.0573, 26.7723**, and the grayscale version is **6.1726, 6.4940, 7.0720**.

A 20% lighter version of the original color is **49.0328, 29.9607, 25.7529**, and **12.4329, 6.3631, 2.6707** is the 20% darker color. If you saturate the color by 10%, you get **27.9330, 14.2107, 9.8597**, and if you desaturate by 10%, it is **28.7380, 14.9601, 12.7809**.

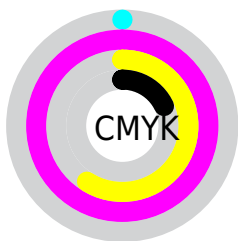
Distribution



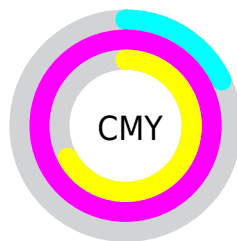
- Red (82%)
- Green (0%)
- Blue (33%)



- Red (82%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9342, 14.2112, 9.8651 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 27.9342, 14.2112, 9.8651 by changing the saturation by 10% instead.


 27.9342, 14.2112,
9.8651

 27.9342, 14.2112,
9.8651


284.2381,
218.5408, 200.1562


 18.4163, 8.2677,
5.2052


 55.7888, 33.4633,
26.1453


 11.3507, 4.2667,
2.3073


 74.8561, 47.5407,
38.6026

 6.3723, 1.8239,
0.7353


 97.8372, 65.0982,
54.4962

 3.1156, 0.5020,
0.0000

 125.0976, 86.5202,
74.2445

 1.2152, 0.0000,
0.0000

 157.0025,
112.1910, 98.2662

 0.1183, 0.0000,
0.0000

 193.9174,

 0.0000, 0.0000,

142.4951, 126.9796

0.0000

236.2074,
177.8169, 160.8035

■ 27.9342, 14.2112,
9.8651

■ 27.9342, 14.2112,
9.8651

■ 27.9330, 14.2107,
9.8597

■ 28.7380, 14.9601,
12.7809

■ 29.9207, 16.3216,
16.2698

■ 31.5835, 18.4922,
20.3847

■ 33.7829, 21.5790,
25.1627

■ 36.5670, 25.6726,
30.6371

■ 39.9784, 30.8526,
36.8383

■ 44.0552, 37.1906,
43.7946

■ 48.8326, 44.7518,
51.5329

■ 54.3431, 53.5969,
60.0781

Harmonies

Analogous

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



27.3561, 14.2112, 28.2298



27.9342, 14.2112, 9.8651



23.8979, 14.2112, 2.3930

Triad

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



27.9342, 14.2112, 9.8651



7.3042, 14.2112, 1.6721



10.2203, 14.2112, 71.1673

Complementary

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



27.9342, 14.2112, 9.8651



26.4417, 47.0573, 26.7723

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.



6.6729, 14.2112, 48.4767



27.9342, 14.2112, 9.8651



5.3588, 14.2112, 7.2892

Square

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



27.9342, 14.2112, 9.8651



11.3725, 14.2112, 0.3688



5.1674, 14.2112, 22.8844



15.8939, 14.2112, 74.0460

Rectangle

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



27.9342, 14.2112, 9.8651



19.6696, 14.2112, 0.8849



5.1674, 14.2112, 22.8844



8.7887, 14.2112, 65.1077

Sweetspot

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



27.9345, 14.2121, 9.8653



68.8435, 57.9335, 68.2677



19.5258, 8.7372, 60.9786



14.1272, 11.4501, 13.5887



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.



27.9345, 14.2121, 9.8653



43.7223, 22.2529, 15.0017



26.5022, 13.9705, 1.3010



12.0051, 11.8868, 13.3027



17.2689, 8.7804, 6.3220



1.0045, 0.5065, 0.5584

Inverse Universe

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



27.9345, 14.2121, 9.8653



43.7223, 22.2529, 15.0017



30.2681, 42.1217, 66.8563



12.0051, 11.8868, 13.3027



17.2689, 8.7804, 6.3220



1.0045, 0.5065, 0.5584

Previews

White Background



This preview shows how the XYZ color 27.9342, 14.2112, 9.8651 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 27.9342, 14.2112, 9.8651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

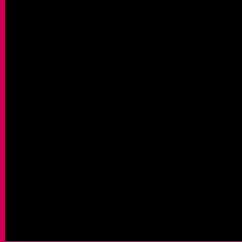
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9342, 14.2112, 9.8651

Background



This preview shows how black text looks on a background with the XYZ color 27.9342, 14.2112, 9.8651.

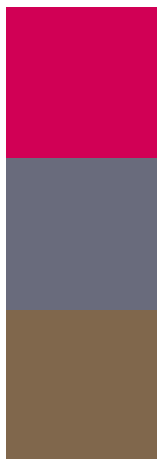


This preview shows how white text looks on a background with the XYZ color 27.9342, 14.2112,

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

27.9342, 14.2112, 9.8651

Protanopia

14.7215, 14.9739, 21.1831

Deuteranopia

15.0568, 14.8115, 8.9028



Tritanopia

26.5649, 14.5137, 2.7678

Trichromacy



Original Color

27.9342, 14.2112, 9.8651



Protanomaly

16.2093, 11.0997, 16.0400



Deuteranomaly

17.2641, 11.6290, 8.7318



Tritanomaly

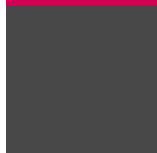
26.8969, 14.2227, 4.4596

Monochromacy



Original Color

27.9342, 14.2112, 9.8651



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.3426, 6.6274, 7.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9342, 14.2112, 9.8651 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(209, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 85)  
}
```

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(209, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 27.9342, 14.2112, 9.8651 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(209, 0, 85) }
```


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

```
.border{ border-color:rgb(209, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9342, 14.2112, 9.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 85) }
```

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

```
.background{ background-color: rgb(209, 0,  
85) }
```

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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