

Converting Colors

XYZ(29.8216, 15.5467, 9.3144)

Have a look what the booklet for
XYZ(29.8216, 15.5467, 9.3144)
contains.

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Color

**XYZ(29.7802, 15.5220,
9.4091)**

Conversions

Conversions Part 1

Format	Color
Hex	D71352
RGB	215, 19, 82
RGB Percent	84%, 7%, 32%
CMY	0.1569, 0.9254, 0.6784
CMYK	0.00, 0.91, 0.62, 0.16
HSL	341°, 84%, 46%
HSV	341°, 91%, 84%
XYZ	29.7802, 15.5220, 9.4091
YIQ	84.7860, 96.5930, 61.1450

Conversions

Conversions Part 2

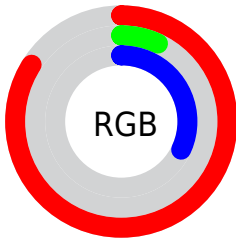
Format	Color
RYB	215, 19, 82
Decimal	14095186
CIELab	46.34, 70.89, 19.06
CIElCh	46, 73.406, 15.052
Yxy	15.5220, 0.5443, 0.2837
Android (android.graphics.Color)	4292285266 (0xFFD71352)
YUV	84.7860, -1.3735, 114.1977
Hunter-Lab	39.3980, 65.9784, 13.4188

Details

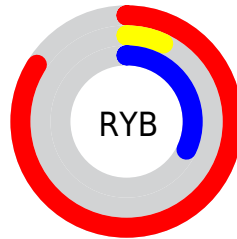
The XYZ color **29.7802, 15.5220, 9.4091** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **30.2393, 51.0073, 37.9698**, and the grayscale version is **8.5817, 9.0286, 9.8322**.

A 20% lighter version of the original color is **49.3394, 30.9041, 24.8373**, and **13.2987, 6.8153, 2.4483** is the 20% darker color. If you saturate the color by 10%, you get **29.1010, 14.8777, 6.9820**, and if you desaturate by 10%, it is **30.9396, 16.8560, 12.8325**.

Distribution



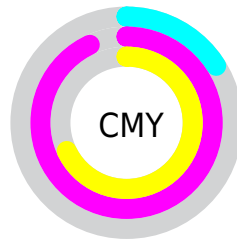
- Red (84%)
- Green (7%)
- Blue (32%)



- Red (84%)
- Yellow (7%)
- Blue (32%)



- Cyan (0%)
- Magenta (91%)
- Yellow (62%)
- Black (16%)





- Cyan (16%)
- Magenta (93%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7802, 15.5220, 9.4091 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 29.7802, 15.5220, 9.4091 by changing the saturation by 10% instead.


 29.7802, 15.5220,
9.4091


 29.7802, 15.5220,
9.4091


292.8068,
226.5044, 196.7302


 19.8191, 9.1866,
4.9085


 58.7034, 35.7664,
25.2682


 12.3711, 4.8631,
2.1359


 78.3962, 50.4441,
37.4638


 7.0709, 2.1671,
0.6370


 102.0636, 68.6713,
53.0615

 3.5532, 0.7020,
0.0000

 130.0709, 90.8325,
72.4798

 1.4526, 0.0000,
0.0000

 162.7835,
117.3120, 96.1373

 0.2933, 0.0000,
0.0000

 200.5668,

 0.0000, 0.0000,

148.4942, 124.4525

0.0000

243.7861,
184.7635, 157.8439

■ 29.7802, 15.5220,
9.4091

■ 29.7802, 15.5220,
9.4091

■ 29.1010, 14.8777,
6.9820

■ 30.9396, 16.8560,
12.8325

■ 32.6278, 19.0472,
17.0486

■ 34.9095, 22.2154,
22.1105

■ 37.8394, 26.4604,
28.0657

■ 41.4657, 31.8696,
34.9575

■ 45.8318, 38.5212,
42.8265

■ 50.9773, 46.4868,
51.7105

■ 56.9390, 55.8324,
61.6453

■ 63.7515, 66.6195,
72.6647

Harmonies

Analogous

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



29.7892, 15.5220, 27.4988



29.7802, 15.5220, 9.4091



25.0495, 15.5220, 2.3308

Triad

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



29.7802, 15.5220, 9.4091



7.7439, 15.5220, 2.3425



11.8490, 15.5220, 77.2861

Complementary

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



29.7802, 15.5220, 9.4091



30.2393, 51.0073, 37.9698

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.



7.7539, 15.5220, 55.1618



29.7802, 15.5220, 9.4091



5.8835, 15.5220, 9.4499

Square

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



29.7802, 15.5220, 9.4091



11.8308, 15.5220, 0.6300



5.8866, 15.5220, 27.5821



18.1210, 15.5220, 77.2417

Rectangle

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



29.7802, 15.5220, 9.4091



20.4633, 15.5220, 0.9328



5.8866, 15.5220, 27.5821



10.2184, 15.5220, 71.7504

Sweetspot

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



29.7806, 15.5230, 9.4093



70.2494, 61.0086, 67.9244



25.0172, 11.8264, 65.2538



14.5021, 12.2349, 13.6057



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.



29.7806, 15.5230, 9.4093



42.7607, 21.8683, 9.9377



29.3562, 16.9226, 2.3366



12.5861, 12.4859, 13.7605



17.4491, 8.9160, 4.4030



1.0898, 0.5527, 0.4622

Inverse Universe

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



29.7806, 15.5230, 9.4093



42.7607, 21.8683, 9.9377



29.3321, 38.6395, 70.2019



12.5861, 12.4859, 13.7605



17.4491, 8.9160, 4.4030



1.0898, 0.5527, 0.4622

Previews

White Background



This preview shows how the XYZ color 29.7802, 15.5220, 9.4091 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 29.7802, 15.5220, 9.4091 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 29.7802, 15.5220, 9.4091

Background



This preview shows how black text looks on a background with the XYZ color 29.7802, 15.5220, 9.4091.



This preview shows how white text looks on a background with the XYZ color 29.7802, 15.5220,

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

29.7802, 15.5220, 9.4091

Protanopia

15.4612, 15.8633, 19.6998

Deuteranopia

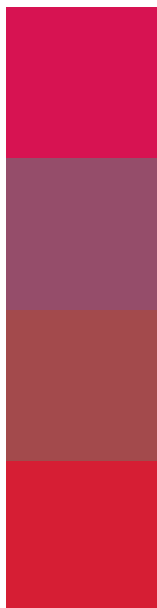
16.0295, 15.7757, 8.5035



Tritanopia

28.3748, 15.5292, 3.0920

Trichromacy



Original Color

29.7802, 15.5220, 9.4091

Protanomaly

17.6498, 12.7379, 15.1641

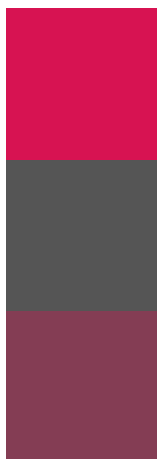
Deuteranomaly

18.8575, 13.2059, 8.3926

Tritanomaly

28.8157, 15.4726, 4.7166

Monochromacy



Original Color

29.7802, 15.5220, 9.4091

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.7847, 8.8831, 9.4283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7802, 15.5220, 9.4091 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(215, 19, 82)` looks like.

```
.text, #text, p{  
    color:rgb(215, 19, 82)  
}
```

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(215, 19, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 19, 82) }
```

Border

The CSS property to change the border of an element to XYZ 29.7802, 15.5220, 9.4091 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(215, 19, 82) }
```


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

```
.border{ border-color:rgb(215, 19, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 19, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 19, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 19, 82);  
box-shadow:4px 4px 4px 4px rgb(215, 19,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7802, 15.5220, 9.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 19, 82) }
```

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

```
.background{ background-color: rgb(215, 19,  
82) }
```

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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