

Converting Colors

XYZ(29.7791, 15.4460, 10.7758)

Have a look what the booklet for
XYZ(29.7791, 15.4460, 10.7758)
contains.

XYZ(29.7352, 15.4183, 10.8600)	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(29.7352, 15.4183,
10.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	D61159
RGB	214, 17, 89
RGB Percent	84%, 7%, 35%
CMY	0.1608, 0.9332, 0.6510
CMYK	0.00, 0.92, 0.58, 0.16
HSL	338°, 85%, 45%
HSV	338°, 92%, 84%
XYZ	29.7352, 15.4183, 10.8600
YIQ	84.1110, 94.3000, 64.1560

Conversions

Conversions Part 2

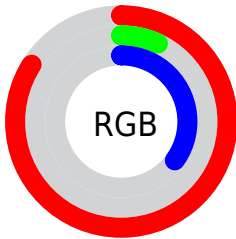
Format	Color
R_{YB}	214, 17, 89
Decimal	14029145
CIE _{Lab}	46.20, 71.32, 14.49
CIE _{LCh}	46, 72.774, 11.488
Yxy	15.4183, 0.5309, 0.2753
Android (android.graphics.Color)	4292219225 (0xFFD61159)
YUV	84.1110, 2.4103, 113.9127
Hunter-Lab	39.2661, 66.4575, 11.0882

Details

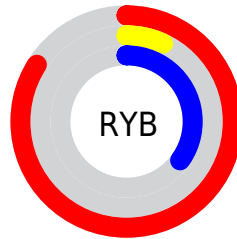
The XYZ color **29.7352, 15.4183, 10.8600** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **29.1630, 50.1663, 33.7493**, and the grayscale version is **8.4347, 8.8739, 9.6637**.

A 20% lighter version of the original color is **49.9029, 31.1295, 27.8045**, and **13.4035, 6.8572, 3.0000** is the 20% darker color. If you saturate the color by 10%, you get **29.1135, 14.8489, 8.5755**, and if you desaturate by 10%, it is **30.8656, 16.6809, 14.3149**.

Distribution



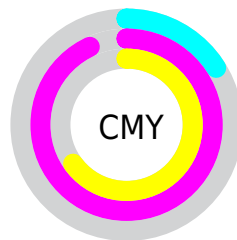
- Red (84%)
- Green (7%)
- Blue (35%)



- Red (84%)
- Yellow (7%)
- Blue (35%)



- Cyan (0%)
- Magenta (92%)
- Yellow (58%)
- Black (16%)





- Cyan (16%)
- Magenta (93%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7352, 15.4183, 10.8600 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 29.7352, 15.4183, 10.8600 by changing the saturation by 10% instead.

 29.7352, 15.4183,
10.8600


 29.7352, 15.4183,
10.8600


292.6002,
225.8843, 207.4074


 19.7848, 9.1135,
5.8598


 58.6327, 35.5853,
28.0337


 12.3460, 4.8153,
2.6926


 78.3104, 50.2164,
41.0442


 7.0537, 2.1393,
0.9397


 101.9613, 68.3916,
57.5619

 3.5423, 0.6866,
0.0000

 129.9507, 90.4954,
78.0054

 1.4466, 0.0000,
0.0000

 162.6439,
116.9122, 102.7931

 0.2891, 0.0000,
0.0000

 200.4063,

 0.0000, 0.0000,

148.0263, 132.3437

0.0000

243.6033,
184.2222, 167.0756

■ 29.7352, 15.4183,
10.8600

■ 29.7352, 15.4183,
10.8600

■ 29.1135, 14.8489,
8.5755

■ 30.8656, 16.6809,
14.3149

■ 32.5003, 18.7749,
18.4834

■ 34.7031, 21.8202,
23.4113

■ 37.5276, 25.9164,
29.1397

■ 41.0207, 31.1503,
35.7060

■ 45.2246, 37.5996,
43.1450

■ 50.1779, 45.3352,
51.4894

■ 55.9164, 54.4223,
60.7700

■ 62.4735, 64.9219,
71.0160

Harmonies

Analogous

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



29.1328, 15.4183, 30.1450



29.7352, 15.4183, 10.8600



25.5346, 15.4183, 2.8002

Triad

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



29.7352, 15.4183, 10.8600



8.0856, 15.4183, 1.9954



11.1829, 15.4183, 74.5212

Complementary

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



29.7352, 15.4183, 10.8600



29.1630, 50.1663, 33.7493

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.



7.4099, 15.4183, 51.1304



29.7352, 15.4183, 10.8600



6.0015, 15.4183, 8.1068

Square

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



29.7352, 15.4183, 10.8600



12.4042, 15.4183, 0.5832



5.7952, 15.4183, 24.5555



17.1620, 15.4183, 77.4871

Rectangle

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



29.7352, 15.4183, 10.8600



21.1209, 15.4183, 1.1047



5.7952, 15.4183, 24.5555



9.6645, 15.4183, 68.2845

Sweetspot

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



29.7356, 15.4192, 10.8602



69.8916, 60.0126, 68.6693



23.4558, 10.9881, 64.5028



14.3088, 11.8344, 13.5840



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.



29.7356, 15.4192, 10.8602



43.2234, 22.0534, 12.3747



28.7075, 16.0859, 2.1234



12.6089, 12.4951, 13.8809



17.6432, 8.9936, 5.4250



1.1033, 0.5581, 0.5335

Inverse Universe

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



29.7356, 15.4192, 10.8602



43.2234, 22.0534, 12.3747



30.2964, 40.8288, 69.9021



12.6089, 12.4951, 13.8809



17.6432, 8.9936, 5.4250



1.1033, 0.5581, 0.5335

Previews

White Background



This preview shows how the XYZ color 29.7352, 15.4183, 10.8600 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 29.7352, 15.4183, 10.8600 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 29.7352, 15.4183, 10.8600

Background



This preview shows how black text looks on a background with the XYZ color 29.7352, 15.4183, 10.8600.



This preview shows how white text looks on a background with the XYZ color 29.7352, 15.4183,

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

29.7352, 15.4183, 10.8600

Protanopia

15.5356, 15.8362, 22.6599

Deuteranopia

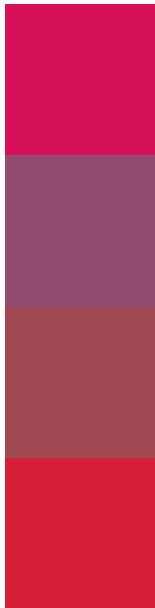
15.9621, 15.7125, 9.7809



Tritanopia

28.1784, 15.5168, 3.2601

Trichromacy



Original Color

29.7352, 15.4183, 10.8600

Protanomaly

17.4758, 12.4948, 17.4102

Deuteranomaly

18.7081, 13.0992, 9.7260

Tritanomaly

28.6187, 15.3602, 5.1978

Monochromacy



Original Color

29.7352, 15.4183, 10.8600

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.6556, 8.7289, 9.8219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7352, 15.4183, 10.8600 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(214, 17, 89)` looks like.

```
.text, #text, p{  
    color:rgb(214, 17, 89)  
}
```

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(214, 17, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 17, 89) }
```

Border

The CSS property to change the border of an element to XYZ 29.7352, 15.4183, 10.8600 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(214, 17, 89) }
```


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

```
.border{ border-color:rgb(214, 17, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 17, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 17, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 17, 89);  
box-shadow:4px 4px 4px 4px rgb(214, 17,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7352, 15.4183, 10.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 17, 89) }
```

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

```
.background{ background-color: rgb(214, 17,  
89) }
```

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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