

Converting Colors

XYZ(29.7176, 16.8150, 10.0903)

Have a look what the booklet for
XYZ(29.7176, 16.8150, 10.0903)
contains.

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Color

**XYZ(29.6048, 16.7702,
10.0641)**

Conversions

Conversions Part 1

Format	Color
Hex	D33254
RGB	211, 50, 84
RGB Percent	83%, 20%, 33%
CMY	0.1726, 0.8039, 0.6706
CMYK	0.00, 0.76, 0.60, 0.17
HSL	347°, 65%, 51%
HSV	347°, 76%, 83%
XYZ	29.6048, 16.7702, 10.0641
YIQ	102.0150, 85.0420, 44.7060

Conversions

Conversions Part 2

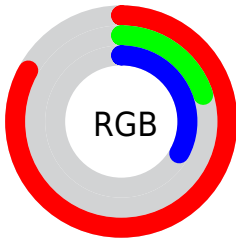
Format	Color
R_{YB}	211, 50, 84
Decimal	13840980
CIE Lab	47.97, 63.20, 19.86
CIE LCh	48, 66.250, 17.448
Yxy	16.7702, 0.5245, 0.2971
Android (android.graphics.Color)	4292031060 (0xFFD33254)
YUV	102.0150, -8.8814, 95.5798
Hunter-Lab	40.9514, 57.3770, 14.0951

Details

The XYZ color **29.6048, 16.7702, 10.0641** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **32.5471, 50.4415, 49.6219**, and the grayscale version is **12.6415, 13.2998, 14.4835**.

A 20% lighter version of the original color is **51.0496, 34.1053, 26.0827**, and **12.7774, 6.5428, 2.5969** is the 20% darker color. If you saturate the color by 10%, you get **28.3249, 15.1328, 6.7942**, and if you desaturate by 10%, it is **31.4559, 19.3023, 14.2889**.

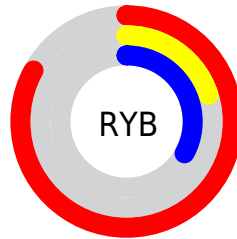
Distribution



Red (83%)

Green (20%)

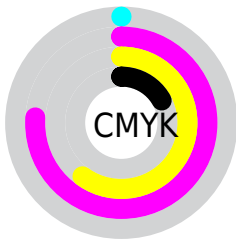
Blue (33%)



Red (83%)

Yellow (20%)

Blue (33%)

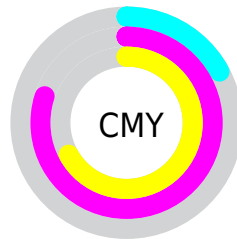


Cyan (0%)

Magenta (76%)

Yellow (60%)

Black (17%)



Cyan (17%)


Magenta (80%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6048, 16.7702, 10.0641 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 29.6048, 16.7702, 10.0641 by changing the saturation by 10% instead.


 29.6048, 16.7702,
10.0641


 29.6048, 16.7702,
10.0641

292.0010,
233.8446, 201.6304

 19.6854, 10.0708,
5.3353


 58.4276, 37.9302,
26.5257


 12.2735, 5.4459,
2.3832


 78.0616, 53.1597,
39.0956


 7.0037, 2.5112,
0.7773


 101.6646, 72.0012,
55.1163

 3.5108, 0.8822,
0.0000

 129.6019, 94.8393,
75.0063

 1.4293, 0.0000,
0.0000

 162.2388,
122.0583, 99.1841

 0.2769, 0.0000,
0.0000

199.9407,

 0.0000, 0.0000,

154.0425, 128.0684

0.0000

243.0730,
191.1765, 162.0777

■ 29.6048, 16.7702,
10.0641

■ 29.6048, 16.7702,
10.0641

■ 28.3249, 15.1328,
6.7942

■ 31.4559, 19.3023,
14.2889

■ 27.5398, 14.2549,
4.3985

■ 33.9374, 22.8312,
19.5376

■ 27.3288, 14.0348,
3.7057

■ 37.1025, 27.4484,
25.8735

■ 40.9980, 33.2340,
33.3543

■ 45.6667, 40.2608,
42.0335

■ 51.1478, 48.5955,
51.9612

■ 57.4781, 58.2999,
63.1848

■ 64.6919, 69.4321,
75.7488

■ 72.8218, 82.0467,
89.6959

Harmonies

Analogous

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



29.9902, 16.7702, 26.3854



29.6048, 16.7702, 10.0641



25.0404, 16.7702, 3.1641

Triad

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



29.6048, 16.7702, 10.0641



8.8854, 16.7702, 3.8228



13.5707, 16.7702, 72.8906

Complementary

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



29.6048, 16.7702, 10.0641



32.5471, 50.4415, 49.6219

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.



9.3638, 16.7702, 54.8077



29.6048, 16.7702, 10.0641



7.1493, 16.7702, 12.0015

Square

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



29.6048, 16.7702, 10.0641



12.7369, 16.7702, 1.4212



7.2992, 16.7702, 30.0095



19.6386, 16.7702, 71.0754

Rectangle

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



29.6048, 16.7702, 10.0641



20.7646, 16.7702, 1.6119



7.2992, 16.7702, 30.0095



11.9266, 16.7702, 68.6239

Sweetspot

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



29.6052, 16.7712, 10.0644



72.5345, 65.4881, 68.9654



30.8304, 16.2294, 63.1353



14.9052, 13.0775, 13.6277



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.



29.6052, 16.7712, 10.0644



42.6005, 22.2158, 7.8254



31.5886, 22.3768, 5.6733



11.9094, 11.8485, 12.7987



16.5237, 8.4823, 2.3982



0.9537, 0.4862, 0.2909

Inverse Universe

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



29.6052, 16.7712, 10.0644



42.6005, 22.2158, 7.8254



26.5988, 32.4315, 66.4857



11.9094, 11.8485, 12.7987



16.5237, 8.4823, 2.3982



0.9537, 0.4862, 0.2909

Previews

White Background



This preview shows how the XYZ color 29.6048, 16.7702, 10.0641 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 29.6048, 16.7702, 10.0641 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 29.6048, 16.7702, 10.0641

Background



This preview shows how black text looks on a background with the XYZ color 29.6048, 16.7702, 10.0641.



This preview shows how white text looks on a background with the XYZ color 29.6048, 16.7702,

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

29.6048, 16.7702, 10.0641

Protanopia

16.3341, 17.0088, 18.0449

Deuteranopia

17.1970, 16.9920, 9.2109



Tritanopia

28.7562, 16.8355, 5.7369

Trichromacy



Original Color

29.6048, 16.7702, 10.0641

Protanomaly

18.9019, 15.0208, 14.4734

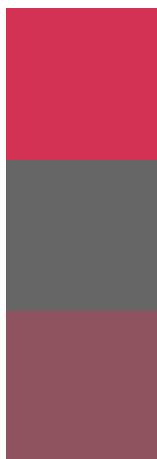
Deuteranomaly

20.2108, 15.4365, 9.3114

Tritanomaly

28.9106, 16.7452, 7.0186

Monochromacy



Original Color

29.6048, 16.7702, 10.0641

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.3141, 12.7635, 12.4302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6048, 16.7702, 10.0641 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(211, 50, 84)` looks like.

```
.text, #text, p{  
    color:rgb(211, 50, 84)  
}
```

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(211, 50, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 50, 84) }
```

Border

The CSS property to change the border of an element to XYZ 29.6048, 16.7702, 10.0641 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(211, 50, 84) }
```


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

```
.border{ border-color:rgb(211, 50, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 50, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 50, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 50, 84);  
box-shadow:4px 4px 4px 4px rgb(211, 50,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6048, 16.7702, 10.0641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 50, 84) }
```

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

```
.background{ background-color: rgb(211, 50,  
84) }
```

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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