

Converting Colors

XYZ(29.8479, 16.4040, 10.3166)

Have a look what the booklet for
XYZ(29.8479, 16.4040, 10.3166)
contains.

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Color

**XYZ(29.9483, 16.4739,
10.4054)**

Conversions

Conversions Part 1

Format	Color
Hex	D52A56
RGB	213, 42, 86
RGB Percent	84%, 16%, 34%
CMY	0.1647, 0.8352, 0.6627
CMYK	0.00, 0.80, 0.60, 0.16
HSL	345°, 67%, 50%
HSV	345°, 80%, 84%
XYZ	29.9483, 16.4739, 10.4054
YIQ	98.1450, 87.7920, 49.9360

Conversions

Conversions Part 2

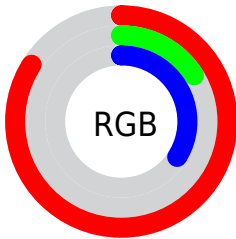
Format	Color
R_{YB}	213, 42, 86
Decimal	13970006
CIE _{Lab}	47.59, 66.14, 18.20
CIE _{LCh}	48, 68.599, 15.385
Yxy	16.4739, 0.5270, 0.2899
Android (android.graphics.Color)	4292160086 (0xFFD52A56)
YUV	98.1450, -5.9875, 100.7278
Hunter-Lab	40.5881, 60.6789, 13.2117

Details

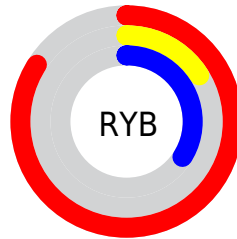
The XYZ color **29.9483, 16.4739, 10.4054** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **31.9123, 50.9460, 45.6941**, and the grayscale version is **11.6461, 12.2526, 13.3431**.

A 20% lighter version of the original color is **50.6647, 33.1124, 26.6427**, and **13.1804, 6.7465, 2.7980** is the 20% darker color. If you saturate the color by 10%, you get **28.8146, 15.1164, 7.2232**, and if you desaturate by 10%, it is **31.6248, 18.6917, 14.4649**.

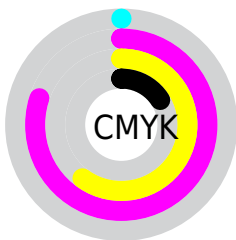
Distribution



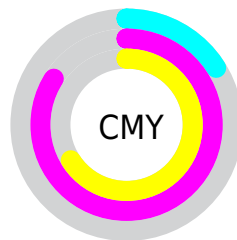
- Red (84%)
- Green (16%)
- Blue (34%)



- Red (84%)
- Yellow (16%)
- Blue (34%)



- Cyan (0%)
- Magenta (80%)
- Yellow (60%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9483, 16.4739, 10.4054 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 29.9483, 16.4739, 10.4054 by changing the saturation by 10% instead.


 29.9483, 16.4739,
10.4054


 29.9483, 16.4739,
10.4054


293.5775,
232.1221, 204.1303


 19.9472, 9.8601,
5.5595


 58.9676, 37.4190,
27.1749


 12.4647, 5.3063,
2.5147


 78.7165, 52.5191,
39.9356


 7.1355, 2.4281,
0.8479


 102.4455, 71.2167,
56.1716

 3.5940, 0.8403,
0.0000

 130.5198, 93.8963,
76.3014

 1.4751, 0.0000,
0.0000

 163.3047,
120.9423, 100.7437

 0.3088, 0.0000,
0.0000

 201.1658,

 0.0000, 0.0000,

152.7389, 129.9169

0.0000

244.4683,
189.6707, 164.2396

■ 29.9483, 16.4739,
10.4054

■ 29.9483, 16.4739,
10.4054

■ 28.8146, 15.1164,
7.2232

■ 31.6248, 18.6917,
14.4649


■ 28.1252, 14.4200,
4.8897


■ 33.9074, 21.8819,
19.4645


■ 36.8513, 26.1426,
25.4617


■ 40.5049, 31.5590,
32.5087

■ 44.9120, 38.2077,
40.6540

 50.1129, 46.1586,
49.9430

 56.1447, 55.4766,
60.4184

 63.0424, 66.2219,
72.1205

 70.8388, 78.4514,
85.0881

Harmonies

Analogous

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



30.0114, 16.4739, 27.8447



29.9483, 16.4739, 10.4054



25.4514, 16.4739, 3.0600

Triad

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



29.9483, 16.4739, 10.4054



8.6916, 16.4739, 3.1594



12.8749, 16.4739, 74.2235

Complementary

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



29.9483, 16.4739, 10.4054



31.9123, 50.9460, 45.6941

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.



8.7673, 16.4739, 54.1643



29.9483, 16.4739, 10.4054



6.8146, 16.4739, 10.7124

Square

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



29.9483, 16.4739, 10.4054



12.7414, 16.4739, 1.1201



6.8381, 16.4739, 28.4347



18.9886, 16.4739, 73.9220

Rectangle

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



29.9483, 16.4739, 10.4054



21.0829, 16.4739, 1.4378



6.8381, 16.4739, 28.4347



11.2539, 16.4739, 69.2603

Sweetspot

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



29.9487, 16.4749, 10.4056



72.0634, 64.3850, 69.3047



28.8604, 14.7205, 64.2709



14.8297, 12.8725, 13.7690



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.



29.9487, 16.4749, 10.4056



42.5591, 21.9648, 8.3304



30.8692, 20.3344, 4.4897



12.5531, 12.4727, 13.5867



17.2156, 8.8226, 3.1737



1.0723, 0.5457, 0.3701

Inverse Universe

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



29.9487, 16.4749, 10.4056



42.5591, 21.9648, 8.3304



27.9289, 35.2233, 68.2775



12.5531, 12.4727, 13.5867



17.2156, 8.8226, 3.1737



1.0723, 0.5457, 0.3701

Previews

White Background



This preview shows how the XYZ color 29.9483, 16.4739, 10.4054 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 29.9483, 16.4739, 10.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

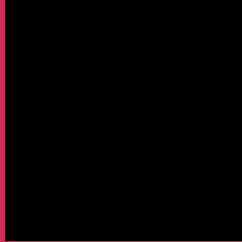
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9483, 16.4739, 10.4054

Background



This preview shows how black text looks on a background with the XYZ color 29.9483, 16.4739, 10.4054.



This preview shows how white text looks on a background with the XYZ color 29.9483, 16.4739,

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

29.9483, 16.4739, 10.4054

Protanopia

16.1146, 16.6957, 19.5128

Deuteranopia

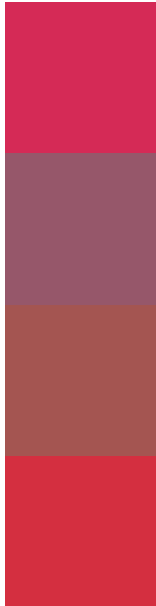
16.9971, 16.7216, 9.5395



Tritanopia

28.9118, 16.5262, 4.9149

Trichromacy



Original Color

29.9483, 16.4739, 10.4054

Protanomaly

18.5874, 14.3410, 15.4241

Deuteranomaly

20.0435, 14.9836, 9.6203

Tritanomaly

29.0933, 16.4002, 6.4827

Monochromacy



Original Color

29.9483, 16.4739, 10.4054

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.5600, 11.8324, 12.0535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9483, 16.4739, 10.4054 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(213, 42, 86)` looks like.

```
.text, #text, p{  
  color:rgb(213, 42, 86)  
}
```

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(213, 42, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.9483, 16.4739, 10.4054 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(213, 42, 86) }
```


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

```
.border{ border-color:rgb(213, 42, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 42, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 86);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9483, 16.4739, 10.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 86) }
```

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

```
.background{ background-color: rgb(213, 42,  
86) }
```

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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