

Converting Colors

XYZ(30.2312, 16.2919, 13.3208)

Have a look what the booklet for
XYZ(30.2312, 16.2919, 13.3208)
contains.

XYZ(30.3543, 16.3701, 13.3643)	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(30.3543, 16.3701,
13.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	D52563
RGB	213, 37, 99
RGB Percent	84%, 15%, 39%
CMY	0.1647, 0.8548, 0.6118
CMYK	0.00, 0.83, 0.54, 0.16
HSL	339°, 70%, 49%
HSV	339°, 83%, 84%
XYZ	30.3543, 16.3701, 13.3643
YIQ	96.6920, 84.9940, 56.5940

Conversions

Conversions Part 2

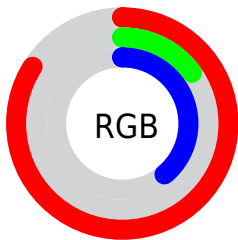
Format	Color
R_{YB}	213, 37, 99
Decimal	13968739
CIE Lab	47.46, 68.25, 10.01
CIE LCh	47, 68.979, 8.347
Yxy	16.3701, 0.5052, 0.2724
Android (android.graphics.Color)	4292158819 (0xFFD52563)
YUV	96.6920, 1.1378, 102.0021
Hunter-Lab	40.4600, 63.1111, 8.7380

Details

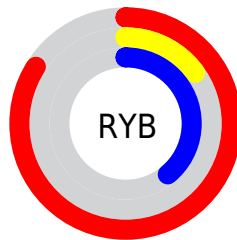
The XYZ color **30.3543, 16.3701, 13.3643** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **30.1448, 50.2168, 37.3885**, and the grayscale version is **11.2713, 11.8582, 12.9136**.

A 20% lighter version of the original color is **51.5151, 33.1304, 32.1134**, and **13.5915, 6.9324, 3.9899** is the 20% darker color. If you saturate the color by 10%, you get **29.2694, 15.1674, 10.0216**, and if you desaturate by 10%, it is **31.9388, 18.3918, 17.4299**.

Distribution



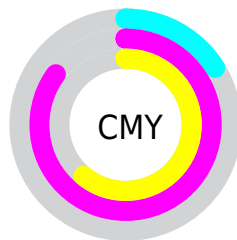
- Red (84%)
- Green (15%)
- Blue (39%)



- Red (84%)
- Yellow (15%)
- Blue (39%)



- Cyan (0%)
- Magenta (83%)
- Yellow (54%)
- Black (16%)





- Cyan (16%)
- Magenta (85%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3543, 16.3701, 13.3643 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 30.3543, 16.3701, 13.3643 by changing the saturation by 10% instead.

 30.3543, 16.3701,
13.3643


 30.3543, 16.3701,
13.3643


295.4327,
231.5158, 224.5286

 20.2571, 9.7864,
7.5462


 59.6048, 37.2395,
32.6575


 12.6914, 5.2576,
3.7224


 79.4888, 52.2941,
46.9696


 7.2919, 2.3992,
1.4743


 103.3658, 70.9410,
64.9502

 3.6933, 0.8255,
0.1987

 131.6011, 93.5648,
87.0178

 1.5301, 0.0000,
0.0000

 164.5601,
120.5498, 113.5909

 0.3462, 0.0000,
0.0000

 202.6081,

 0.0000, 0.0000,

152.2803, 145.0880

0.0000

246.1106,
189.1409, 181.9277

■ 30.3543, 16.3701,
13.3643

■ 30.3543, 16.3701,
13.3643

■ 29.2694, 15.1674,
10.0216

■ 31.9388, 18.3918,
17.4299

■ 28.7113, 14.6544,
7.9760

■ 34.0856, 21.3491,
22.2651

■ 36.8487, 25.3421,
27.9128

■ 40.2752, 30.4576,
34.4117

■ 44.4074, 36.7729,
41.7978

■ 49.2838, 44.3584,
50.1050

■ 54.9403, 53.2792,
59.3652

■ 61.4101, 63.5957,
69.6086

■ 68.7247, 75.3647,
80.8640

Harmonies

Analogous

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



29.2654, 16.3701, 33.3822



30.3543, 16.3701, 13.3643



26.7379, 16.3701, 4.0226

Triad

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



30.3543, 16.3701, 13.3643



9.3389, 16.3701, 2.3029



11.6074, 16.3701, 71.1074

Complementary

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



30.3543, 16.3701, 13.3643



30.1448, 50.2168, 37.3885

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.



8.0327, 16.3701, 47.9898



30.3543, 16.3701, 13.3643



6.9823, 16.3701, 8.0541

Square

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



30.3543, 16.3701, 13.3643



13.9122, 16.3701, 0.9489



6.5767, 16.3701, 23.1801



17.3315, 16.3701, 76.3151

Rectangle

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



30.3543, 16.3701, 13.3643



22.5904, 16.3701, 1.7726



6.5767, 16.3701, 23.1801



10.1633, 16.3701, 64.6804

Sweetspot

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



30.3547, 16.3711, 13.3646



72.0252, 63.4707, 71.8752



24.9706, 12.4682, 64.0412



14.8545, 12.7107, 14.4295



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.



30.3547, 16.3711, 13.3646



43.1762, 22.0788, 11.9896



29.4158, 17.5620, 3.5910



12.6021, 12.4923, 13.8449



17.5822, 8.9692, 5.1040



1.0992, 0.5564, 0.5115

Inverse Universe

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



30.3547, 16.3711, 13.3646



43.1762, 22.0788, 11.9896



31.0867, 41.8236, 69.3850



12.6021, 12.4923, 13.8449



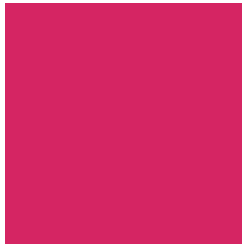
17.5822, 8.9692, 5.1040



1.0992, 0.5564, 0.5115

Previews

White Background



This preview shows how the XYZ color 30.3543, 16.3701, 13.3643 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 30.3543, 16.3701, 13.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

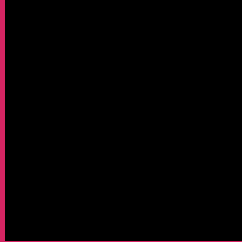
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.3543, 16.3701, 13.3643

Background



This preview shows how black text looks on a background with the XYZ color 30.3543, 16.3701, 13.3643.

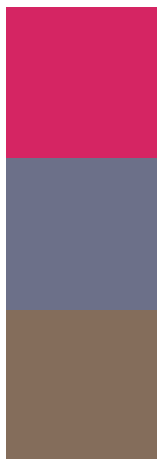


This preview shows how white text looks on a background with the XYZ color 30.3543, 16.3701,

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

30.3543, 16.3701, 13.3643

Protanopia

16.4939, 16.5826, 25.9984

Deuteranopia

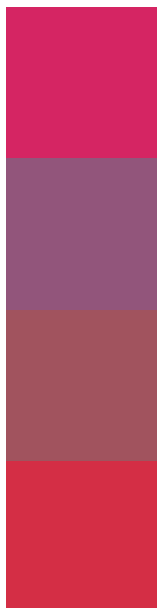
16.8727, 16.5981, 12.2120



Tritanopia

28.6676, 16.4645, 4.9158

Trichromacy



Original Color

30.3543, 16.3701, 13.3643

Protanomaly

18.6777, 14.0381, 20.4641

Deuteranomaly

19.8116, 14.5717, 12.3581

Tritanomaly

29.2026, 16.3807, 7.2529

Monochromacy



Original Color

30.3543, 16.3701, 13.3643

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.3681, 11.4030, 12.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3543, 16.3701, 13.3643 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, 37, 99)` looks like.

```
.text, #text, p{  
    color:rgb(213, 37, 99)  
}
```

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, 37, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 37, 99) }
```

Border

The CSS property to change the border of an element to XYZ 30.3543, 16.3701, 13.3643 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, 37, 99) }
```


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

```
.border{ border-color:rgb(213, 37, 99) }
```

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

Here you see how a box with a 4 pixel rgb(213, 37, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 37, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 37, 99);  
box-shadow:4px 4px 4px 4px rgb(213, 37,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3543, 16.3701, 13.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 37, 99) }
```

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

```
.background{ background-color: rgb(213, 37,  
99) }
```

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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