

Converting Colors

XYZ(30.2430, 16.5933, 12.0403)

Have a look what the booklet for
XYZ(30.2430, 16.5933, 12.0403)
contains.

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Color

**XYZ(30.2443, 16.5924,
11.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	D52A5D
RGB	213, 42, 93
RGB Percent	84%, 16%, 36%
CMY	0.1647, 0.8352, 0.6353
CMYK	0.00, 0.80, 0.56, 0.16
HSL	342°, 67%, 50%
HSV	342°, 80%, 84%
XYZ	30.2443, 16.5924, 11.9645
YIQ	98.9430, 85.5450, 52.1130

Conversions

Conversions Part 2

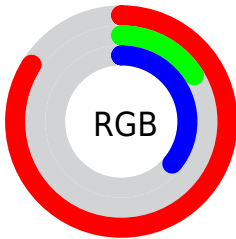
Format	Color
RYB	213, 42, 93
Decimal	13970013
CIELab	47.74, 66.60, 14.11
CIELCh	48, 68.080, 11.958
Yxy	16.5924, 0.5143, 0.2822
Android (android.graphics.Color)	4292160093 (0xFFD52A5D)
YUV	98.9430, -2.9299, 100.0280
Hunter-Lab	40.7338, 61.2499, 11.0987

Details

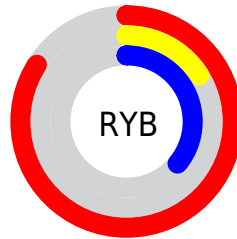
The XYZ color **30.2443, 16.5924, 11.9645** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **31.2724, 50.6899, 42.3251**, and the grayscale version is **11.8391, 12.4557, 13.5643**.

A 20% lighter version of the original color is **51.2495, 33.3463, 29.7219**, and **13.2960, 6.7927, 3.4067** is the 20% darker color. If you saturate the color by 10%, you get **29.0804, 15.2228, 8.6230**, and if you desaturate by 10%, it is **31.9395, 18.8177, 16.1219**.

Distribution



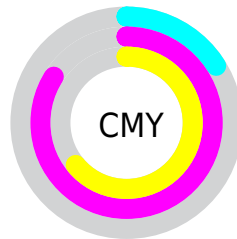
- Red (84%)
- Green (16%)
- Blue (36%)



- Red (84%)
- Yellow (16%)
- Blue (36%)



- Cyan (0%)
- Magenta (80%)
- Yellow (56%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2443, 16.5924, 11.9645 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 30.2443, 16.5924, 11.9645 by changing the saturation by 10% instead.


 30.2443, 16.5924,
11.9645


 30.2443, 16.5924,
11.9645


294.9310,
232.8124, 215.1397


 20.1731, 9.9443,
6.5973


 59.4323, 37.6236,
30.0939


 12.6299, 5.3620,
3.1369


 79.2798, 52.7756,
43.6931


 7.2494, 2.4612,
1.1650


 103.1167, 71.5309,
60.8733

 3.6663, 0.8571,
0.0000

 131.3085, 94.2740,
82.0532

 1.5151, 0.0000,
0.0000

 164.2205,
121.3893, 107.6513

 0.3361, 0.0000,
0.0000

 202.2180,

 0.0000, 0.0000,

153.2613, 138.0860

0.0000

245.6663,
190.2742, 173.7760

■ 30.2443, 16.5924,
11.9645

■ 30.2443, 16.5924,
11.9645

■ 29.0804, 15.2228,
8.6230

■ 31.9395, 18.8177,
16.1219

■ 28.3520, 14.5107,
6.0847

■ 34.2274, 22.0101,
21.1496

■ 37.1620, 26.2671,
27.0978

■ 40.7904, 31.6735,
34.0119

■ 45.1553, 38.3054,
41.9343

■ 50.2957, 46.2322,
50.9046

■ 56.2479, 55.5184,
60.9605

■ 63.0459, 66.2239,
72.1373

■ 70.7216, 78.4052,
84.4691

Harmonies

Analogous

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



29.7499, 16.5924, 30.5875



30.2443, 16.5924, 11.9645



26.1935, 16.5924, 3.6323

Triad

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



30.2443, 16.5924, 11.9645



9.1594, 16.5924, 2.8344



12.4112, 16.5924, 72.4853

Complementary

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



30.2443, 16.5924, 11.9645



31.2724, 50.6899, 42.3251

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.



8.5604, 16.5924, 51.0944



30.2443, 16.5924, 11.9645



7.0437, 16.5924, 9.5352

Square

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



30.2443, 16.5924, 11.9645



13.4642, 16.5924, 1.1048



6.8572, 16.5924, 25.9538



18.3264, 16.5924, 74.8391

Rectangle

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



30.2443, 16.5924, 11.9645



21.9489, 16.5924, 1.6823



6.8572, 16.5924, 25.9538



10.8763, 16.5924, 66.8539

Sweetspot

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



30.2447, 16.5934, 11.9648



72.3771, 64.5105, 70.9568



27.6789, 14.1115, 64.2154



14.9037, 12.9021, 14.1586



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.



30.2447, 16.5934, 11.9648



42.9196, 22.1090, 10.2287



30.4577, 19.5115, 4.3527



12.5741, 12.4811, 13.6976



17.3583, 8.8796, 3.9247



1.0832, 0.5501, 0.4274

Inverse Universe

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



30.2447, 16.5934, 11.9648



42.9196, 22.1090, 10.2287



29.0462, 37.4578, 68.6496



12.5741, 12.4811, 13.6976



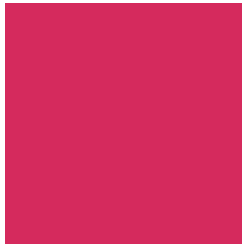
17.3583, 8.8796, 3.9247



1.0832, 0.5501, 0.4274

Previews

White Background



This preview shows how the XYZ color 30.2443, 16.5924, 11.9645 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 30.2443, 16.5924, 11.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

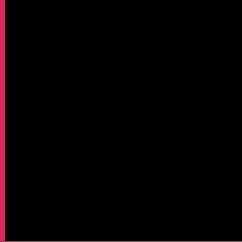
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2443, 16.5924, 11.9645

Background



This preview shows how black text looks on a background with the XYZ color 30.2443, 16.5924, 11.9645.



This preview shows how white text looks on a background with the XYZ color 30.2443, 16.5924,

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

30.2443, 16.5924, 11.9645

Protanopia

16.4835, 16.8135, 22.7986

Deuteranopia

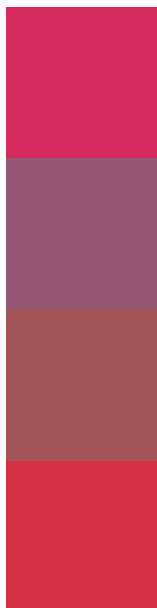
17.1000, 16.7441, 10.9250



Tritanopia

28.7578, 16.5712, 5.1729

Trichromacy



Original Color

30.2443, 16.5924, 11.9645

Protanomaly

18.8971, 14.4438, 18.0116

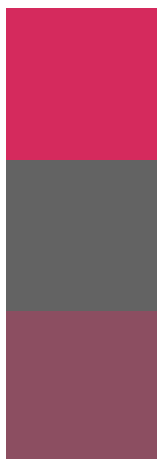
Deuteranomaly

20.1142, 14.9881, 11.0654

Tritanomaly

29.2517, 16.5283, 7.1174

Monochromacy



Original Color

30.2443, 16.5924, 11.9645

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.6973, 11.8873, 12.7764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2443, 16.5924, 11.9645 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(213, 42, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 93) }
```

Border

The CSS property to change the border of an element to XYZ 30.2443, 16.5924, 11.9645 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, 93) }
```


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

```
.border{ border-color:rgb(213, 42, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 93);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2443, 16.5924, 11.9645 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, 93) }
```

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

```
.background{ background-color: rgb(213, 42,  
93) }
```

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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