

Converting Colors

XYZ(31.0023, 18.2276, 3.2240)

Have a look what the booklet for
XYZ(31.0023, 18.2276, 3.2240)
contains.

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Color

**XYZ(30.9872, 18.1905,
3.2444)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3A20
RGB	219, 58, 32
RGB Percent	86%, 23%, 13%
CMY	0.1412, 0.7725, 0.8745
CMYK	0.00, 0.74, 0.85, 0.14
HSL	8°, 75%, 49%
HSV	8°, 85%, 86%
XYZ	30.9872, 18.1905, 3.2444
YIQ	103.1750, 104.3020, 26.0460

Conversions

Conversions Part 2

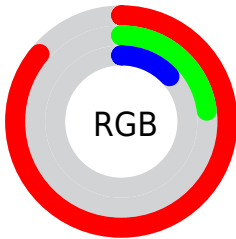
Format	Color
RYB	219, 62, 32
Decimal	14367264
CIELab	49.73, 60.82, 51.32
CIELCh	50, 79.579, 40.155
Yxy	18.1905, 0.5911, 0.3470
Android (android.graphics.Color)	4292557344 (0xFFDB3A20)
YUV	103.1750, -35.0893, 101.5785
Hunter-Lab	42.6503, 55.0495, 25.3450

Details

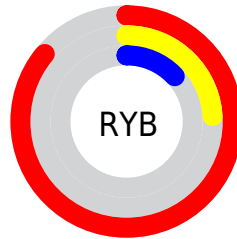
The XYZ color **30.9872, 18.1905, 3.2444** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.4491, 43.5561, 73.7142**, and the grayscale version is **13.0105, 13.6881, 14.9063**.

A 20% lighter version of the original color is **48.9334, 34.3300, 11.6367**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **29.9993, 16.5436, 1.9022**, and if you desaturate by 10%, it is **32.5212, 20.6144, 5.7428**.

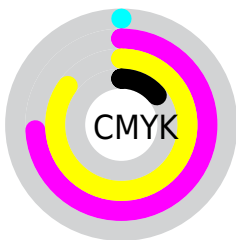
Distribution



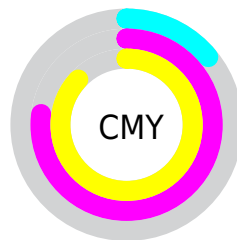
- Red (86%)
- Green (23%)
- Blue (13%)



- Red (86%)
- Yellow (24%)
- Blue (13%)



- Cyan (0%)
- Magenta (74%)
- Yellow (85%)
- Black (14%)





- Cyan (14%)
- Magenta (77%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9872, 18.1905, 3.2444 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 30.9872, 18.1905, 3.2444 by changing the saturation by 10% instead.


 30.9872, 18.1905,
3.2444


 30.9872, 18.1905,
3.2444


298.3073,
241.9426, 139.4150


 20.7409, 11.0868,
1.2207


 60.5959, 40.3617,
12.2258


 13.0461, 6.1253,
0.0000


 80.6890, 56.1980,
20.0206

 7.5375, 2.9214,
0.0000


 104.7950, 75.7139,
30.5762

 3.8498, 1.0908,
0.0000

 133.2794, 99.2940,
44.3111

 1.6175, 0.0000,
0.0000

 166.5075,
127.3224, 61.6439


 0.4038, 0.0000,
0.0000


 204.8446,


 0.0000, 0.0000,


160.1838, 82.9931


0.0000


 248.6561,
198.2624, 108.7773


 30.9872, 18.1905,
3.2444


 30.9872, 18.1905,
3.2444


 29.9993, 16.5436,
1.9022


 32.5212, 20.6144,
5.7428

 29.6893, 16.0121,
1.5258

 34.6681, 23.8937,
9.5859

 37.4859, 28.1005,
14.9295

 41.0253, 33.2986,
21.9075

 45.3321, 39.5457,
30.6388

■ 50.4483, 46.8952,
41.2315

■ 56.4127, 55.3971,
53.7848

■ 63.2618, 65.0980,
68.3909

■ 71.0297, 76.0420,
85.1361

Harmonies

Analogous

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



35.9620, 18.1905, 13.3229



30.9872, 18.1905, 3.2444



22.7224, 18.1905, 0.7608

Triad

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



30.9872, 18.1905, 3.2444



6.8870, 18.1905, 8.7495



19.9876, 18.1905, 95.8132

Complementary

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



30.9872, 18.1905, 3.2444



32.4491, 43.5561, 73.7142

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.



12.8000, 18.1905, 90.6889



30.9872, 18.1905, 3.2444



6.5479, 18.1905, 28.1115

Square

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



30.9872, 18.1905, 3.2444



9.4932, 18.1905, 1.9693



8.3734, 18.1905, 60.7384



28.4895, 18.1905, 71.8785

Rectangle

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



30.9872, 18.1905, 3.2444



17.2502, 18.1905, 0.4304



8.3734, 18.1905, 60.7384



17.3289, 18.1905, 97.6945

Sweetspot

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



30.9876, 18.1916, 3.2447



70.5691, 65.2738, 56.8533



39.4748, 19.9910, 52.8560



14.5435, 13.1667, 11.0020



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.



30.9876, 18.1916, 3.2447



41.8550, 22.4899, 2.1350



40.4495, 37.1155, 6.3986



13.2014, 13.3422, 13.6051



17.6513, 9.5881, 0.9204



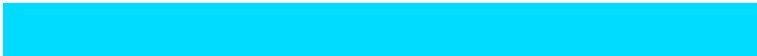
1.1915, 0.7171, 0.0756

Inverse Universe

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



32.4491, 43.5561, 73.7142



43.5199, 58.1598, 103.5400



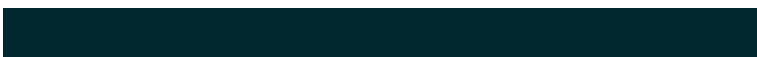
17.9935, 14.6450, 68.8957



13.2824, 14.5046, 16.7517



18.3734, 24.6163, 43.5214



1.2337, 1.6816, 2.8340

Previews

White Background



This preview shows how the XYZ color 30.9872, 18.1905, 3.2444 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 30.9872, 18.1905, 3.2444 looks on a black 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

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

XYZ 30.9872, 18.1905, 3.2444

Background



This preview shows how black text looks on a background with the XYZ color 30.9872, 18.1905, 3.2444.



This preview shows how white text looks on a background with the XYZ color 30.9872, 18.1905,

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

30.9872, 18.1905, 3.2444

Protanopia

16.7828, 18.3854, 5.3535

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

31.6199, 18.2434, 5.7257

Trichromacy



Original Color

30.9872, 18.1905, 3.2444

Protanomaly

20.0025, 16.6091, 4.3421

Deuteranomaly

21.6599, 16.9692, 2.4816

Tritanomaly

31.4629, 18.2574, 4.6621

Monochromacy



Original Color

30.9872, 18.1905, 3.2444

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.4248, 13.3720, 8.7365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9872, 18.1905, 3.2444 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(219, 58, 32)` looks like.

```
.text, #text, p{  
    color:rgb(219, 58, 32)  
}
```

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(219, 58, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 58, 32) }
```

Border

The CSS property to change the border of an element to XYZ 30.9872, 18.1905, 3.2444 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(219, 58, 32) }
```


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

```
.border{ border-color:rgb(219, 58, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 58, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 58, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 58, 32);  
box-shadow:4px 4px 4px 4px rgb(219, 58,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9872, 18.1905, 3.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 58, 32) }
```

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

```
.background{ background-color: rgb(219, 58,  
32) }
```

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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