

Converting Colors

XYZ(30.0531, 33.0834, 6.4249)

Have a look what the booklet for
XYZ(30.0531, 33.0834, 6.4249)
contains.

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Color

**XYZ(30.0963, 33.1284,
6.3983)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B09C23 |
| RGB | 176, 156, 35 |
| RGB Percent | 69%, 61%, 14% |
| CMY | 0.3098, 0.3882, 0.8627 |
| CMYK | 0.00, 0.11, 0.80, 0.31 |
| HSL | 51°, 67%, 41% |
| HSV | 51°, 80%, 69% |
| XYZ | 30.0963, 33.1284, 6.3983 |
| YIQ | 148.1860, 50.7610, -33.3910 |

Conversions

Conversions Part 2

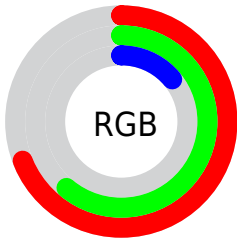
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 58, 176, 35 |
| Decimal | 11574307 |
| CIELab | 64.26, -5.17, 60.63 |
| CIELCh | 64, 60.852, 94.876 |
| Yxy | 33.1284, 0.4323, 0.4758 |
| Android (android.graphics.Color) | 4289764387 (0xFFB09C23) |
| YUV | 148.1860, -55.8007, 24.3929 |
| Hunter-Lab | 57.5573, -7.3888, 33.6992 |

Details

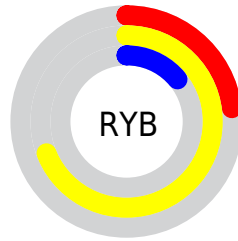
The XYZ color **30.0963, 33.1284, 6.3983** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.8959, 6.2243, 41.7537**, and the grayscale version is **28.4379, 29.9188, 32.5816**.

A 20% lighter version of the original color is **59.1959, 64.5107, 19.2294**, and **12.6593, 14.0251, 2.0399** is the 20% darker color. If you saturate the color by 10%, you get **29.4834, 32.2212, 5.2125**, and if you desaturate by 10%, it is **30.8503, 34.1083, 8.2783**.

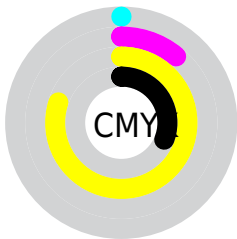
Distribution



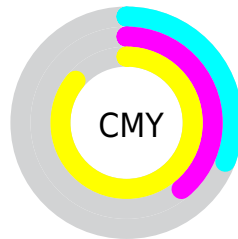
- Red (69%)
- Green (61%)
- Blue (14%)



- Red (23%)
- Yellow (69%)
- Blue (14%)



- Cyan (0%)
- Magenta (11%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (39%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0963, 33.1284, 6.3983 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 30.0963, 33.1284, 6.3983 by changing the saturation by 10% instead.


 30.0963, 33.1284,
6.3983


 30.0963, 33.1284,
6.3983


294.2548,
316.2279, 172.0026


 20.0601, 22.2248,
3.0161

 59.2000, 64.5759,
19.2439


 12.5473, 14.0222,
1.1028

 78.9983, 85.8887,
29.5444

 7.1924, 8.1361,
0.0000


 102.7813,
111.4400, 42.9880

 3.6301, 4.1822,
0.0000

 130.9144,
141.6142, 59.9934

 1.4951, 1.7760,
0.0000

 163.7629,
176.7957, 80.9790

 0.3225, 0.4721,
0.0000

 201.6923,

 0.0000, 0.0000,

217.3688, 106.3634

0.0000

245.0678,
263.7181, 136.5651

■ 30.0963, 33.1284,
6.3983

■ 30.0963, 33.1284,
6.3983

■ 29.4834, 32.2212,
5.2125

■ 30.8503, 34.1083,
8.2783

■ 28.9775, 31.3764,
4.5290

■ 31.7606, 35.1634,
10.9416

■ 32.8425, 36.3010,
14.4660

■ 34.1091, 37.5264,
18.9196

■ 35.5719, 38.8445,
24.3634

■ 37.2418, 40.2596,
30.8534

■ 39.1285, 41.7756,
38.4414

■ 41.2412, 43.3964,
47.1757

■ 43.5887, 45.1255,
57.1017

Harmonies

Analogous

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



39.0818, 33.1284, 7.8648



30.0963, 33.1284, 6.3983



22.9106, 33.1284, 9.4229

Triad

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



30.0963, 33.1284, 6.3983



19.7291, 33.1284, 70.6944



49.0533, 33.1284, 60.2810

Complementary

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



30.0963, 33.1284, 6.3983



9.8959, 6.2243, 41.7537

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.



41.9755, 33.1284, 90.8847



30.0963, 33.1284, 6.3983



24.9469, 33.1284, 98.5814

Square

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



30.0963, 33.1284, 6.3983



17.6645, 33.1284, 40.2689



32.9210, 33.1284, 107.2893



51.1131, 33.1284, 32.1759

Rectangle

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



30.0963, 33.1284, 6.3983



19.7593, 33.1284, 15.0360



32.9210, 33.1284, 107.2893



47.1258, 33.1284, 70.9590

Sweetspot

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



30.0971, 33.1300, 6.3990



66.1927, 71.8904, 50.6469



19.2231, 10.7194, 4.8171



14.1197, 15.3876, 10.1037



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0971, 33.1300, 6.3990



52.7760, 57.2661, 8.5355



24.5292, 35.6570, 7.1802



9.0923, 9.6971, 9.0450



21.2940, 23.0865, 3.3338



0.6980, 0.7825, 0.1142

Inverse Universe

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



9.8959, 6.2243, 41.7537



15.1008, 7.2906, 75.1066



12.1254, 6.2381, 41.6388



8.1360, 8.4182, 10.7024



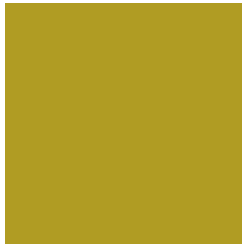
6.0309, 2.8622, 30.3716



0.2202, 0.1509, 0.9658

Previews

White Background



This preview shows how the XYZ color 30.0963, 33.1284, 6.3983 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.0963, 33.1284, 6.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

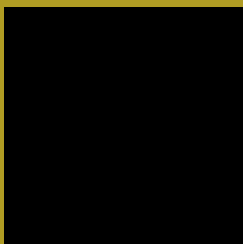
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

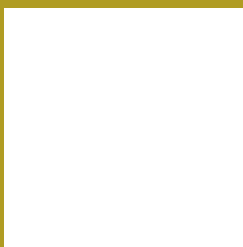
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0963, 33.1284, 6.3983

Background



This preview shows how black text looks on a background with the XYZ color 30.0963, 33.1284, 6.3983.



This preview shows how white text looks on a background with the XYZ color 30.0963, 33.1284,

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

30.0963, 33.1284, 6.3983

Protanopia

29.8710, 33.0122, 6.3877

Deuteranopia

33.7211, 33.0621, 6.5238



Tritanopia

36.2188, 32.9994, 36.3589

Trichromacy



Original Color

30.0963, 33.1284, 6.3983

Protanomaly

29.8710, 33.0122, 6.3877

Deuteranomaly

32.4027, 33.0920, 6.5133

Tritanomaly

33.0195, 32.6322, 20.1811

Monochromacy



Original Color

30.0963, 33.1284, 6.3983

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.8210, 30.4639, 18.3237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0963, 33.1284, 6.3983 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(176, 156, 35)` looks like.

```
.text, #text, p{  
    color:rgb(176, 156, 35)  
}
```

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(176, 156, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 156, 35) }
```

Border

The CSS property to change the border of an element to XYZ 30.0963, 33.1284, 6.3983 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(176, 156, 35) }
```


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

```
.border{ border-color:rgb(176, 156, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 156, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 156, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 156, 35);  
box-shadow:4px 4px 4px 4px rgb(176, 156,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0963, 33.1284, 6.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 156, 35) }
```

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

```
.background{ background-color: rgb(176,  
156, 35) }
```

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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