

Converting Colors

XYZ(30.1731, 33.6133, 31.2470)

Have a look what the booklet for
XYZ(30.1731, 33.6133, 31.2470)
contains.

XYZ(30.1825, 33.6393, 31.2878)	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(30.1825, 33.6393,
31.2878)**

Conversions

Conversions Part 1

Format	Color
Hex	96A090
RGB	150, 160, 144
RGB Percent	59%, 63%, 56%
CMY	0.4118, 0.3725, 0.4353
CMYK	0.06, 0.00, 0.10, 0.37
HSL	98°, 8%, 60%
HSV	98°, 10%, 63%
XYZ	30.1825, 33.6393, 31.2878
YIQ	155.1860, -0.8240, -7.0960

Conversions

Conversions Part 2

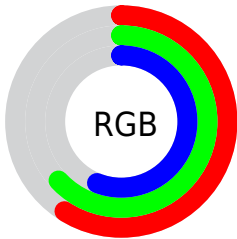
Format	Color
RYB	144, 160, 154
Decimal	9871504
CIELab	64.68, -6.62, 7.12
CIELCh	65, 9.718, 132.913
Yxy	33.6393, 0.3173, 0.3537
Android (android.graphics.Color)	4288061584 (0xFF96A090)
YUV	155.1860, -5.5147, -4.5481
Hunter-Lab	57.9994, -8.6087, 8.6156

Details

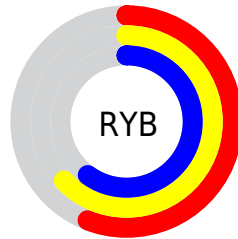
The XYZ color **30.1825, 33.6393, 31.2878** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6463, 29.3556, 37.3632**, and the grayscale version is **31.2628, 32.8909, 35.8182**.

A 20% lighter version of the original color is **59.3953, 65.5155, 62.9414**, and **12.6346, 14.3981, 12.7029** is the 20% darker color. If you saturate the color by 10%, you get **27.2828, 32.2769, 25.2145**, and if you desaturate by 10%, it is **33.4145, 35.1550, 38.2829**.

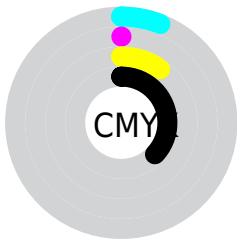
Distribution



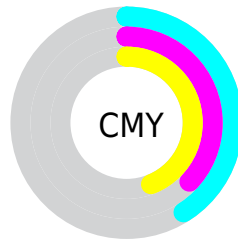
- Red (59%)
- Green (63%)
- Blue (56%)



- Red (56%)
- Yellow (63%)
- Blue (60%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (37%)



- Cyan (41%)
- Magenta (37%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1825, 33.6393, 31.2878 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 30.1825, 33.6393, 31.2878 by changing the saturation by 10% instead.

■ 30.1825, 33.6393,
31.2878

■ 30.1825, 33.6393,
31.2878

294.6488,
318.5207, 322.2542

■ 20.1259, 22.6166,
20.5578

■ 59.3353, 65.3724,
62.7778

■ 12.5954, 14.3107,
12.6131

■ 79.1623, 86.8515,
84.3748

■ 7.2256, 8.3371,
7.0351

102.9767,
112.5850, 110.4313

■ 3.6512, 4.3114,
3.4053

131.1440,
142.9572, 141.3658

■ 1.5067, 1.8492,
1.3051

164.0295,
178.3525, 177.5968

■ 0.3304, 0.5176,
0.0660

201.9986,

■ 0.0000, 0.0000,

219.1552, 219.5428

0.0000

245.4165,
265.7498, 267.6224

■ 30.1825, 33.6393,
31.2878

■ 30.1825, 33.6393,
31.2878

■ 27.2828, 32.2769,
25.2145

■ 33.4145, 35.1550,
38.2829

■ 24.7016, 31.0584,
20.0223

■ 36.9867, 36.8242,
46.2337

■ 22.4278, 29.9802,
15.6710


■ 40.9101, 38.6530,
55.1752


■ 20.4489, 29.0367,
12.1162


■ 45.1944, 40.6455,
65.1397


■ 18.7514, 28.2220,
9.3095


■ 49.8487, 42.8058,
76.1584


 17.3203, 27.5295,
7.1970


 54.8821, 45.1380,
88.2608


 16.1393, 26.9522,
5.7180

 60.1411, 47.5809,
100.6220

 15.1897, 26.4819,
4.8011

 63.2599, 49.1887,
100.7680

 14.4340, 26.1032,
4.2777

 66.5629, 50.8915,
100.9225

Harmonies

Analogous

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



31.3778, 33.6393, 29.6427



30.1825, 33.6393, 31.2878



29.4787, 33.6393, 34.4178

Triad

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



30.1825, 33.6393, 31.2878



31.1920, 33.6393, 44.4665



34.6577, 33.6393, 34.9385

Complementary

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



30.1825, 33.6393, 31.2878



29.6463, 29.3556, 37.3632

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.



34.6044, 33.6393, 38.9297



30.1825, 33.6393, 31.2878



32.5759, 33.6393, 44.6314

Square

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



30.1825, 33.6393, 31.2878



30.0499, 33.6393, 42.1072



33.8332, 33.6393, 42.5425



33.9768, 33.6393, 31.6451

Rectangle

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



30.1825, 33.6393, 31.2878



29.3701, 33.6393, 37.0190



33.8332, 33.6393, 42.5425



34.7256, 33.6393, 36.2387

Sweetspot

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



30.1834, 33.6408, 31.2885



58.8101, 62.9581, 65.4444



31.0662, 32.5558, 31.0326



12.7962, 13.7600, 14.1317



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.1834, 33.6408, 31.2885



53.5758, 60.5031, 54.2063



29.2514, 33.1436, 31.9961



6.7740, 7.5161, 7.0794



11.2889, 20.3564, 3.3342



0.2469, 0.3872, 0.0617

Inverse Universe

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



29.6463, 29.3556, 37.3632



52.4007, 51.1299, 67.4938



30.6548, 29.8942, 36.5641



6.6629, 6.6302, 8.3353



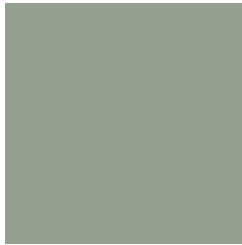
9.0881, 4.1141, 26.2223



0.2081, 0.0971, 0.4710

Previews

White Background



This preview shows how the XYZ color 30.1825, 33.6393, 31.2878 looks on a white background.

Color Contrast Check

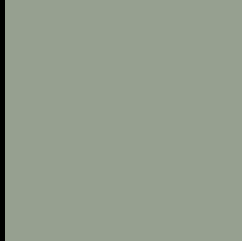
Large Text (above 18pt) WCAG AA × Fail

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 30.1825, 33.6393, 31.2878 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

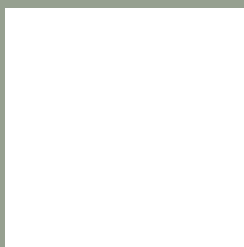
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1825, 33.6393, 31.2878

Background



This preview shows how black text looks on a background with the XYZ color 30.1825, 33.6393, 31.2878.



This preview shows how white text looks on a background with the XYZ color 30.1825, 33.6393,

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

30.1825, 33.6393, 31.2878

Protanopia

31.8752, 33.5165, 30.3805

Deuteranopia

34.1594, 33.4386, 31.8480



Tritanopia

32.3763, 33.5115, 42.2981

Trichromacy



Original Color

30.1825, 33.6393, 31.2878

Protanomaly

31.1154, 33.3662, 30.7870

Deuteranomaly

32.6028, 33.3710, 31.5110

Tritanomaly

31.5390, 33.4243, 38.0470

Monochromacy



Original Color

30.1825, 33.6393, 31.2878

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7798, 33.1206, 34.0488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1825, 33.6393, 31.2878 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(150, 160, 144)` looks like.

```
.text, #text, p{  
    color:rgb(150, 160, 144)  
}
```

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(150, 160, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 160, 144) }
```

Border

The CSS property to change the border of an element to XYZ 30.1825, 33.6393, 31.2878 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(150, 160, 144) }
```


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

```
.border{ border-color:rgb(150, 160, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 160, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 160, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 160, 144);  
box-shadow:4px 4px 4px 4px rgb(150, 160,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1825, 33.6393, 31.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 160, 144) }
```

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

```
.background{ background-color: rgb(150,  
160, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor