

Converting Colors

XYZ(33.2776, 31.1707, 53.5556)

Have a look what the booklet for
XYZ(33.2776, 31.1707, 53.5556)
contains.

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Color

**XYZ(33.2397, 31.0803,
53.5374)**

Conversions

Conversions Part 1

Format	Color
Hex	9C91BF
RGB	156, 145, 191
RGB Percent	61%, 57%, 75%
CMY	0.3882, 0.4314, 0.2510
CMYK	0.18, 0.24, 0.00, 0.25
HSL	254°, 26%, 66%
HSV	254°, 24%, 75%
XYZ	33.2397, 31.0803, 53.5374
YIQ	153.5330, -8.2100, 16.6380

Conversions

Conversions Part 2

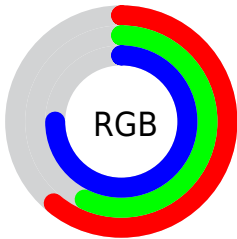
Format	Color
R_{YB}	156, 145, 191
Decimal	10260927
CIE _{Lab}	62.58, 13.58, -22.38
CIE _{LCh}	63, 26.181, 301.254
Yxy	31.0803, 0.2820, 0.2637
Android (android.graphics.Color)	4288451007 (0xFF9C91BF)
YUV	153.5330, 18.4712, 2.1636
Hunter-Lab	55.7497, 8.8652, -17.9124

Details

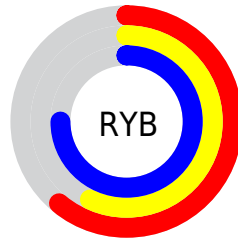
The XYZ color **33.2397, 31.0803, 53.5374** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.5649, 49.0100, 34.0059**, and the grayscale version is **30.4359, 32.0209, 34.8708**.

A 20% lighter version of the original color is **64.0759, 61.4111, 96.4721**, and **14.3165, 12.9336, 25.4088** is the 20% darker color. If you saturate the color by 10%, you get **27.9170, 24.3625, 52.5218**, and if you desaturate by 10%, it is **39.3915, 38.9554, 54.7337**.

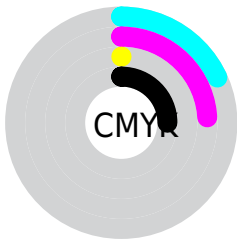
Distribution



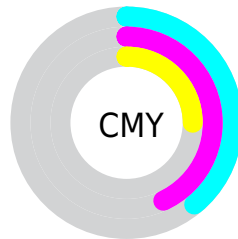
- Red (61%)
- Green (57%)
- Blue (75%)



- Red (61%)
- Yellow (57%)
- Blue (75%)



- Cyan (18%)
- Magenta (24%)
- Yellow (0%)
- Black (25%)



- Cyan (39%)
- Magenta (43%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2397, 31.0803, 53.5374 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 33.2397, 31.0803, 53.5374 by changing the saturation by 10% instead.

■ 33.2397, 31.0803,
53.5374

■ 33.2397, 31.0803,
53.5374

308.3744,
306.9081, 417.4681

■ 22.4702, 20.6600,
37.8413

■ 64.1018, 61.3665,
96.8442

■ 14.3214, 12.8757,
25.5587

■ 84.9251, 82.0011,
125.2920

■ 8.4277, 7.3430,
16.2710

109.8304,
106.8094, 158.8274

■ 4.4239, 3.6775,
9.5597

139.1831,
136.1756, 197.8691

■ 1.9446, 1.4949,
5.0062

173.3484,
170.4842, 242.8354

■ 0.6026, 0.2851,
2.1921

212.6919,

■ 0.0000, 0.0000,

210.1195, 294.1450

0.6698

257.5787,
255.4660, 352.2164

■ 0.0000, 0.0000,
0.0000

■ 33.2397, 31.0803,
53.5374

■ 33.2397, 31.0803,
53.5374

■ 27.9170, 24.3625,
52.5218

■ 39.3915, 38.9554,
54.7337

■ 23.3842, 18.7432,
51.6760

■ 46.4035, 48.0353,
56.1168

■ 19.6030, 14.1637,
50.9914

■ 54.3088, 58.3698,
57.6948

■ 16.5309, 10.5587,
50.4575

■ 63.1378, 70.0042,
59.4752

■ 14.1207, 7.8550,
50.0626

■ 72.9195, 82.9820,
61.4646

■ 12.3190, 5.9688,
49.7935

■ 82.1951, 94.3718,
63.1742

■ 11.0632, 4.7998,
49.6341

■ 86.4041, 96.5416,
63.3711

■ 10.5161, 4.3349,
49.5732

Harmonies

Analogous

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



29.6910, 31.0803, 57.4903



33.2397, 31.0803, 53.5374



35.9636, 31.0803, 44.1812

Triad

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



33.2397, 31.0803, 53.5374



32.9596, 31.0803, 19.3893



23.2075, 31.0803, 34.2723

Complementary

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



33.2397, 31.0803, 53.5374



42.5649, 49.0100, 34.0059

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.



23.9324, 31.0803, 25.2551



33.2397, 31.0803, 53.5374



29.3913, 31.0803, 17.7717

Square

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



33.2397, 31.0803, 53.5374



35.7930, 31.0803, 24.6483



26.1272, 31.0803, 19.6869



24.0629, 31.0803, 45.0753

Rectangle

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



33.2397, 31.0803, 53.5374



36.8424, 31.0803, 36.9131



26.1272, 31.0803, 19.6869



23.2740, 31.0803, 30.9446

Sweetspot

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



33.2407, 31.0816, 53.5381



79.1387, 80.8726, 99.7180



37.4571, 42.5326, 55.5261



17.2064, 17.5362, 21.8632



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.2407, 31.0816, 53.5381



54.2272, 48.9457, 94.8685



38.0592, 33.5656, 53.7636



9.2244, 9.3326, 11.9874



6.9723, 2.8804, 32.5814



0.3337, 0.1440, 1.2791

Inverse Universe

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



39.8504, 34.6237, 47.7638



68.2427, 56.4634, 82.3102



37.6993, 46.5016, 33.7781



9.8298, 9.6562, 11.4925



17.5283, 8.6425, 18.6077



0.7106, 0.3481, 0.8553

Previews

White Background



This preview shows how the XYZ color 33.2397, 31.0803, 53.5374 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 33.2397, 31.0803, 53.5374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

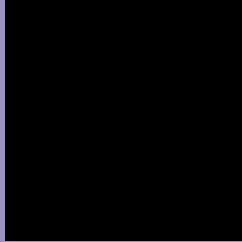
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2397, 31.0803, 53.5374

Background



This preview shows how black text looks on a background with the XYZ color 33.2397, 31.0803, 53.5374.



This preview shows how white text looks on a background with the XYZ color 33.2397, 31.0803,

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

33.2397, 31.0803, 53.5374

Protanopia

31.4592, 31.2832, 55.4191

Deuteranopia

31.7382, 31.0085, 53.0277



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

33.2397, 31.0803, 53.5374

Protanomaly

32.0696, 31.1411, 54.7727

Deuteranomaly

32.3057, 31.0692, 53.0095

Tritanomaly

31.2696, 30.9692, 43.8647

Monochromacy



Original Color

33.2397, 31.0803, 53.5374

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.5592, 31.8918, 41.0516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2397, 31.0803, 53.5374 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(156, 145, 191)` looks like.

```
.text, #text, p{  
    color:rgb(156, 145, 191)  
}
```

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(156, 145, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 145, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.2397, 31.0803, 53.5374 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(156, 145, 191) }
```


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

```
.border{ border-color:rgb(156, 145, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 145, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 145, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 145, 191);  
box-shadow:4px 4px 4px 4px rgb(156, 145,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2397, 31.0803, 53.5374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 145, 191) }
```

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

```
.background{ background-color: rgb(156,  
145, 191) }
```

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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