

Converting Colors

XYZ(31.7898, 33.8793, 51.8585)

Have a look what the booklet for
XYZ(31.7898, 33.8793, 51.8585)
contains.

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Color

**XYZ(31.6843, 33.7025,
51.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	899FBB
RGB	137, 159, 187
RGB Percent	54%, 62%, 73%
CMY	0.4627, 0.3765, 0.2667
CMYK	0.27, 0.15, 0.00, 0.27
HSL	214°, 27%, 64%
HSV	214°, 27%, 73%
XYZ	31.6843, 33.7025, 51.8490
YIQ	155.6140, -22.1000, 4.0440

Conversions

Conversions Part 2

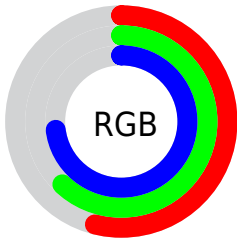
Format	Color
RYB	137, 152, 187
Decimal	9019323
CIELab	64.73, -1.27, -17.00
CIELCh	65, 17.044, 265.734
Yxy	33.7025, 0.2703, 0.2875
Android (android.graphics.Color)	4287209403 (0xFF899FBB)
YUV	155.6140, 15.4733, -16.3245
Hunter-Lab	58.0539, -4.1735, -12.3153

Details

The XYZ color **31.6843, 33.7025, 51.8490** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.4644, 39.2814, 29.2226**, and the grayscale version is **31.3693, 33.0029, 35.9402**.

A 20% lighter version of the original color is **61.7101, 65.6406, 94.2114**, and **13.5034, 14.4248, 24.6268** is the 20% darker color. If you saturate the color by 10%, you get **27.1556, 28.8077, 51.1435**, and if you desaturate by 10%, it is **36.8990, 39.1791, 52.6318**.

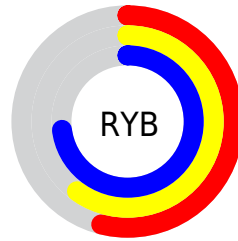
Distribution



Red (54%)

Green (62%)

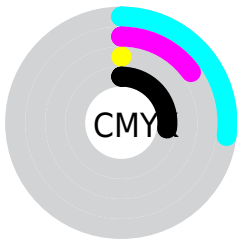
Blue (73%)



Red (54%)

Yellow (60%)

Blue (73%)

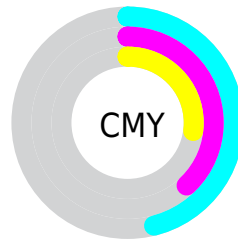


Cyan (27%)

Magenta (15%)

Yellow (0%)

Black (27%)



Cyan (46%)

Magenta (38%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6843, 33.7025, 51.8490 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 31.6843, 33.7025, 51.8490 by changing the saturation by 10% instead.

■ 31.6843, 33.7025,
51.8490

■ 31.6843, 33.7025,
51.8490

301.4495,
318.8035, 410.7937

■ 21.2749, 22.6651,
36.5033

■ 61.6844, 65.4708,
94.3328

■ 13.4387, 14.3465,
24.5304

■ 82.0057, 86.9705,
122.3080

■ 7.8104, 8.3620,
15.5117

■ 106.3618,
112.7264, 155.3302

■ 4.0246, 4.3275,
9.0287

135.1178,
143.1230, 193.8178

■ 1.7161, 1.8584,
4.6628

168.6393,
178.5446, 238.1894

■ 0.4663, 0.5232,
1.9956

207.2915,

■ 0.0000, 0.0000,

219.3756, 288.8636

0.5526

251.4398,
266.0004, 346.2588

■ 0.0000, 0.0000,
0.0000

■ 31.6843, 33.7025,
51.8490

■ 31.6843, 33.7025,
51.8490

■ 27.1556, 28.8077,
51.1435

■ 36.8990, 39.1791,
52.6318

■ 23.2785, 24.4688,
50.5103

■ 42.8255, 45.2537,
53.4920

■ 20.0203, 20.6642,
49.9477

■ 49.4923, 51.9470,
54.4325

■ 17.3440, 17.3685,
49.4526

■ 56.9251, 59.2773,
55.4557

■ 15.2080, 14.5541,
49.0219

■ 65.1485, 67.2622,
56.5635

■ 13.5646, 12.1896,
48.6522

■ 74.1858, 75.9184,
57.7580

■ 12.3502, 10.2355,
48.3390

■ 79.1519, 82.7323,
58.8114

■ 12.0087, 9.6657,
48.2470

■ 82.1931, 88.8146,
59.8252

■ 85.4130, 95.2543,
60.8985

Harmonies

Analogous

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



29.4552, 33.7025, 49.0033



31.6843, 33.7025, 51.8490



34.1209, 33.7025, 50.2296

Triad

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



31.6843, 33.7025, 51.8490



36.4635, 33.7025, 31.1485



28.2983, 33.7025, 29.6170

Complementary

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



31.6843, 33.7025, 51.8490



38.4644, 39.2814, 29.2226

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.



30.0325, 33.7025, 25.8424



31.6843, 33.7025, 51.8490



34.7574, 33.7025, 26.6444

Square

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



31.6843, 33.7025, 51.8490



36.9605, 33.7025, 37.7084



32.3847, 33.7025, 24.8272



27.5645, 33.7025, 35.7025

Rectangle

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



31.6843, 33.7025, 51.8490



35.5238, 33.7025, 46.9335



32.3847, 33.7025, 24.8272



28.7791, 33.7025, 28.0677

Sweetspot

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



31.6854, 33.7038, 51.8498



75.1434, 79.4679, 95.5798



34.8337, 43.5581, 41.9316



16.1812, 17.1267, 20.9955



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.6854, 33.7038, 51.8498



51.9124, 55.1700, 92.1142



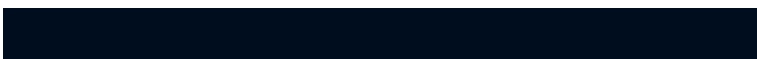
28.6473, 27.0122, 50.7183



9.3527, 9.8976, 12.0897



8.3434, 6.7986, 33.2654



0.3920, 0.3967, 1.3248

Inverse Universe

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



35.6980, 30.9602, 36.8968



60.4007, 49.8506, 60.3748



42.1735, 47.5996, 30.6326



9.6999, 9.6042, 10.8084



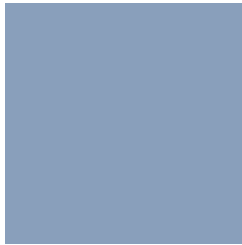
15.2122, 7.7160, 6.4108



0.6288, 0.3154, 0.4244

Previews

White Background



This preview shows how the XYZ color 31.6843, 33.7025, 51.8490 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 31.6843, 33.7025, 51.8490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

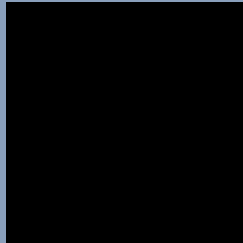
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6843, 33.7025, 51.8490

Background



This preview shows how black text looks on a background with the XYZ color 31.6843, 33.7025, 51.8490.



This preview shows how white text looks on a background with the XYZ color 31.6843, 33.7025,

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

31.6843, 33.7025, 51.8490

Protanopia

33.2408, 33.5248, 50.6179

Deuteranopia

34.1786, 33.4812, 52.2381



Tritanopia

30.2164, 33.6141, 44.9400

Trichromacy



Original Color

31.6843, 33.7025, 51.8490

Protanomaly

32.6055, 33.4331, 51.1891

Deuteranomaly

33.1929, 33.4631, 52.2865

Tritanomaly

30.6992, 33.5472, 47.5051

Monochromacy



Original Color

31.6843, 33.7025, 51.8490

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4264, 33.2935, 41.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6843, 33.7025, 51.8490 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(137, 159, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 159, 187)  
}
```

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(137, 159, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 159, 187) }
```

Border

The CSS property to change the border of an element to XYZ 31.6843, 33.7025, 51.8490 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(137, 159, 187) }
```


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

```
.border{ border-color:rgb(137, 159, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 159, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 159, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 159, 187);  
box-shadow:4px 4px 4px 4px rgb(137, 159,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6843, 33.7025, 51.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 159, 187) }
```

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

```
.background{ background-color: rgb(137,  
159, 187) }
```

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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