

Converting Colors

XYZ(31.7583, 33.8415, 47.7410)

Have a look what the booklet for
XYZ(31.7583, 33.8415, 47.7410)
contains.

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Color

**XYZ(31.6901, 33.8017,
47.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9FB3
RGB	142, 159, 179
RGB Percent	56%, 62%, 70%
CMY	0.4431, 0.3765, 0.2980
CMYK	0.21, 0.11, 0.00, 0.30
HSL	212°, 20%, 63%
HSV	212°, 21%, 70%
XYZ	31.6901, 33.8017, 47.5020
YIQ	156.1970, -16.5520, 2.6160

Conversions

Conversions Part 2

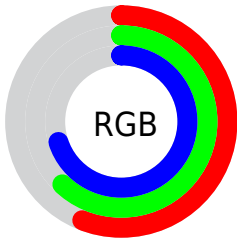
Format	Color
R_{YB}	142, 154, 179
Decimal	9346995
CIE _{Lab}	64.80, -1.59, -12.37
CIE _{LCh}	65, 12.469, 262.684
Yxy	33.8017, 0.2805, 0.2991
Android (android.graphics.Color)	4287537075 (0xFF8E9FB3)
YUV	156.1970, 11.2419, -12.4508
Hunter-Lab	58.1392, -4.4482, -7.7448

Details

The XYZ color **31.6901, 33.8017, 47.5020** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3935, 37.3773, 30.8882**, and the grayscale version is **31.6453, 33.2933, 36.2564**.

A 20% lighter version of the original color is **61.8069, 65.8271, 88.0456**, and **13.4428, 14.4556, 21.8204** is the 20% darker color. If you saturate the color by 10%, you get **27.2632, 29.1464, 46.8373**, and if you desaturate by 10%, it is **36.7425, 38.9745, 48.2347**.

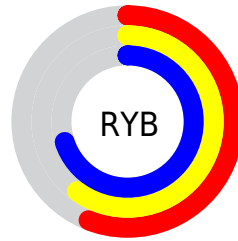
Distribution



Red (56%)

Green (62%)

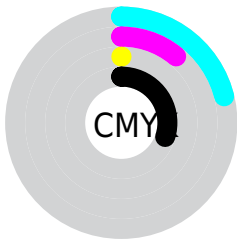
Blue (70%)



Red (56%)

Yellow (60%)

Blue (70%)

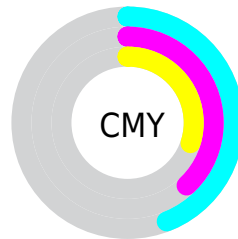


Cyan (21%)

Magenta (11%)

Yellow (0%)

Black (30%)



Cyan (44%)

Magenta (38%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6901, 33.8017, 47.5020 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 31.6901, 33.8017, 47.5020 by changing the saturation by 10% instead.

■ 31.6901, 33.8017,
47.5020

■ 31.6901, 33.8017,
47.5020

301.4756,
319.2469, 393.2664

■ 21.2793, 22.7413,
33.0755

■ 61.6934, 65.6252,
87.8203

■ 13.4419, 14.4026,
21.9127

■ 82.0167, 87.1570,
114.5491

■ 7.8127, 8.4012,
13.5951

106.3748,
112.9482, 146.2159

■ 4.0261, 4.3527,
7.7040

135.1331,
143.3830, 183.2390

■ 1.7169, 1.8728,
3.8211

168.6570,
178.8459, 226.0371

■ 0.4668, 0.5319,
1.5277

207.3118,

■ 0.0000, 0.0000,

219.7213, 275.0286

0.2385

251.4628,
266.3935, 330.6322

■ 0.0000, 0.0000,
0.0000

■ 31.6901, 33.8017,
47.5020

■ 31.6901, 33.8017,
47.5020

■ 27.2632, 29.1464,
46.8373

■ 36.7425, 38.9745,
48.2347

■ 23.4322, 24.9864,
46.2363

■ 42.4422, 44.6777,
49.0351

■ 20.1697, 21.3038,
45.6974

■ 48.8134, 50.9288,
49.9059

■ 17.4447, 18.0780,
45.2184

■ 55.8785, 57.7434,
50.8489

■ 15.2230, 15.2863,
44.7966

■ 63.6585, 65.1360,
51.8658

■ 13.4657, 12.9037,
44.4294

■ 72.1736, 73.1210,
52.9582

■ 12.1277, 10.9013,
44.1134

■ 76.7712, 79.3036,
53.9093

■ 11.1732, 9.3276,
43.8599

■ 79.4880, 84.7372,
54.8149

■ 82.3558, 90.4728,
55.7708

Harmonies

Analogous

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



30.0808, 33.8017, 45.2364



31.6901, 33.8017, 47.5020



33.4767, 33.8017, 46.6958

Triad

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



31.6901, 33.8017, 47.5020



35.4175, 33.8017, 33.1233



29.4606, 33.8017, 31.1327

Complementary

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



31.6901, 33.8017, 47.5020



36.3935, 37.3773, 30.8882

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.



30.8151, 33.8017, 28.4187



31.6901, 33.8017, 47.5020



34.2650, 33.8017, 29.4911

Square

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



31.6901, 33.8017, 47.5020



35.6730, 33.8017, 38.0771



32.5689, 33.8017, 27.8469



28.8251, 33.8017, 35.5602

Rectangle

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



31.6901, 33.8017, 47.5020



34.5241, 33.8017, 44.5572



32.5689, 33.8017, 27.8469



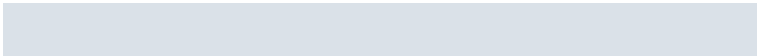
29.8445, 33.8017, 30.0073

Sweetspot

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



31.6911, 33.8031, 47.5028



70.3210, 74.3479, 87.0254



33.7740, 40.5908, 40.1136



15.4359, 16.3278, 19.2603



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.6911, 33.8031, 47.5028



52.8521, 56.4632, 84.4941



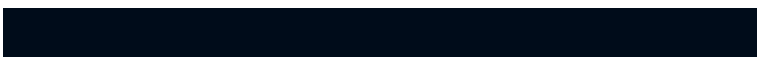
29.1785, 28.4618, 46.6042



8.3530, 8.8521, 10.7747



7.9591, 6.7185, 31.0143



0.3090, 0.3285, 0.9954

Inverse Universe

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



34.5222, 31.4337, 37.0502



58.9450, 51.6535, 61.9338



39.3098, 43.6312, 31.9417



8.6534, 8.5681, 9.6730



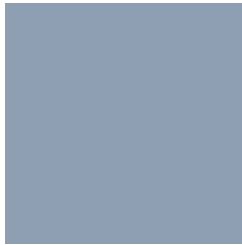
14.2520, 7.2184, 6.4871



0.4780, 0.2389, 0.3598

Previews

White Background



This preview shows how the XYZ color 31.6901, 33.8017, 47.5020 looks on a white background.

Color Contrast Check

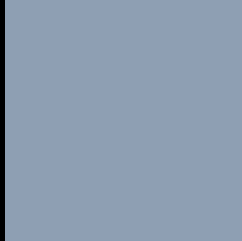
Large Text (above 18pt) WCAG AA × Fail

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 31.6901, 33.8017, 47.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

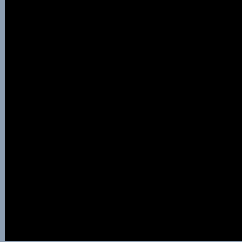
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6901, 33.8017, 47.5020

Background



This preview shows how black text looks on a background with the XYZ color 31.6901, 33.8017, 47.5020.



This preview shows how white text looks on a background with the XYZ color 31.6901, 33.8017,

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

31.6901, 33.8017, 47.5020

Protanopia

33.1507, 33.8213, 46.3759

Deuteranopia

34.3274, 33.6548, 47.8668



Tritanopia

31.0981, 33.8215, 44.4243

Trichromacy



Original Color

31.6901, 33.8017, 47.5020

Protanomaly

32.6705, 33.8123, 46.9240

Deuteranomaly

33.2860, 33.6080, 47.9126

Tritanomaly

31.2932, 33.8995, 45.4514

Monochromacy



Original Color

31.6901, 33.8017, 47.5020

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5203, 33.3736, 39.9024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6901, 33.8017, 47.5020 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(142, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(142, 159, 179)  
}
```

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(142, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 159, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.6901, 33.8017, 47.5020 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(142, 159, 179) }
```


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

```
.border{ border-color:rgb(142, 159, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(142, 159,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6901, 33.8017, 47.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 159, 179) }
```

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

```
.background{ background-color: rgb(142,  
159, 179) }
```

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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