

Converting Colors

XYZ(33.6731, 31.7888, 47.5424)

Have a look what the booklet for
XYZ(33.6731, 31.7888, 47.5424)
contains.

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Color

**XYZ(33.7762, 31.9493,
47.5666)**

Conversions

Conversions Part 1

Format	Color
Hex	A393B4
RGB	163, 147, 180
RGB Percent	64%, 58%, 71%
CMY	0.3608, 0.4235, 0.2941
CMYK	0.09, 0.18, 0.00, 0.29
HSL	269°, 18%, 64%
HSV	269°, 18%, 71%
XYZ	33.7762, 31.9493, 47.5666
YIQ	155.5460, -1.0570, 13.6550

Conversions

Conversions Part 2

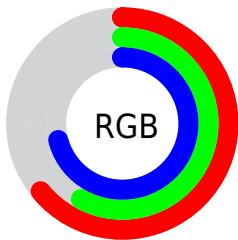
Format	Color
R_{YB}	163, 147, 180
Decimal	10720180
CIE Lab	63.30, 12.34, -15.03
CIE LCh	63, 19.447, 309.390
Yxy	31.9493, 0.2981, 0.2820
Android (android.graphics.Color)	4288910260 (0xFFA393B4)
YUV	155.5460, 12.0558, 6.5372
Hunter-Lab	56.5237, 7.7476, -10.3279

Details

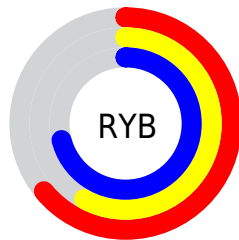
The XYZ color **33.7762, 31.9493, 47.5666** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.8987, 42.6424, 33.8914**, and the grayscale version is **31.3471, 32.9796, 35.9148**.

A 20% lighter version of the original color is **64.9404, 62.7348, 88.0432**, and **14.5692, 13.2776, 21.8736** is the 20% darker color. If you saturate the color by 10%, you get **29.3638, 25.8402, 46.6205**, and if you desaturate by 10%, it is **38.7678, 39.0088, 48.6666**.

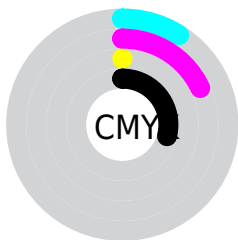
Distribution



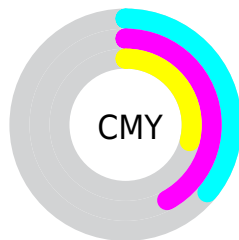
- Red (64%)
- Green (58%)
- Blue (71%)



- Red (64%)
- Yellow (58%)
- Blue (71%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)



- Cyan (36%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7762, 31.9493, 47.5666 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 33.7762, 31.9493, 47.5666 by changing the saturation by 10% instead.

■ 33.7762, 31.9493,
47.5666

■ 33.7762, 31.9493,
47.5666

310.7365,
310.8882, 393.5307

■ 22.8838, 21.3228,
33.1262

■ 64.9321, 62.7316,
87.9176

■ 14.6279, 13.3601,
21.9513

■ 85.9263, 83.6562,
114.6653

■ 8.6433, 7.6770,
13.6231

111.0185,
108.7822, 146.3525

■ 4.5645, 3.8890,
7.7233

140.5740,
138.4941, 183.3979

■ 2.0262, 1.6117,
3.8332

174.9582,
173.1763, 226.2198

■ 0.6486, 0.3654,
1.5343

214.5364,

■ 0.0000, 0.0000,

213.2131, 275.2369

0.2433

259.6741,
258.9889, 330.8677

■ 0.0000, 0.0000,
0.0000

■ 33.7762, 31.9493,
47.5666

■ 33.7762, 31.9493,
47.5666

■ 29.3638, 25.8402,
46.6205

■ 38.7678, 39.0088,
48.6666

■ 25.5044, 20.6353,
45.8193

■ 44.3574, 47.0541,
49.9249

■ 22.1739, 16.2906,
45.1562

■ 50.5669, 56.1237,
51.3483

■ 19.3453, 12.7566,
44.6231

■ 57.4156, 66.2529,
52.9424

■ 16.9888, 9.9786,
44.2111

■ 64.9224, 77.4752,
54.7129

■ 15.0709, 7.8949,
43.9100

■ 73.1039, 89.8198,
56.6644

■ 13.5531, 6.4334,
43.7079

■ 75.9661, 91.2953,
56.7984

■ 12.3730, 5.4752,
43.5852

■ 78.9861, 92.8522,
56.9397

■ 12.1939, 5.3345,
43.5674

■ 82.1663, 94.4916,
57.0885

Harmonies

Analogous

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



31.2204, 31.9493, 51.5836



33.7762, 31.9493, 47.5666



35.4811, 31.9493, 40.2784

Triad

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



33.7762, 31.9493, 47.5666



32.2281, 31.9493, 22.6611



25.5349, 31.9493, 37.2659

Complementary

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



33.7762, 31.9493, 47.5666



36.8987, 42.6424, 33.8914

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.



25.7693, 31.9493, 29.8195



33.7762, 31.9493, 47.5666



29.5290, 31.9493, 22.1013

Square

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



33.7762, 31.9493, 47.5666



34.5512, 31.9493, 26.1921



27.1950, 31.9493, 24.5302



26.5347, 31.9493, 45.0831

Rectangle

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



33.7762, 31.9493, 47.5666



35.8501, 31.9493, 34.9456



27.1950, 31.9493, 24.5302



25.4733, 31.9493, 34.6296

Sweetspot

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



33.7772, 31.9506, 47.5673



73.4625, 75.2662, 88.9505



33.5564, 36.0684, 48.3737



15.7299, 16.0555, 19.1922



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.



33.7772, 31.9506, 47.5673



57.8840, 53.2485, 85.5218



37.3674, 33.8015, 47.7353



8.4210, 8.4256, 10.6888



8.5875, 3.7628, 30.4107



0.3377, 0.1532, 0.9600

Inverse Universe

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



35.9580, 33.2525, 39.6467



62.6403, 56.0883, 68.2218



33.7204, 41.0039, 33.7427



8.6730, 8.5759, 9.7765



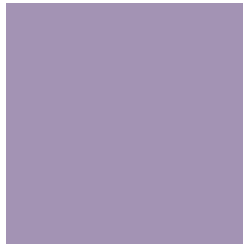
14.5417, 7.3342, 8.0125



0.4869, 0.2425, 0.4066

Previews

White Background



This preview shows how the XYZ color 33.7762, 31.9493, 47.5666 looks on a white background.

Color Contrast Check

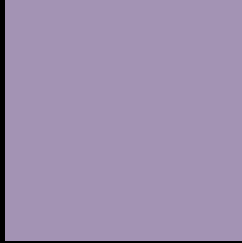
Large Text (above 18pt) WCAG AA × Fail

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 33.7762, 31.9493, 47.5666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

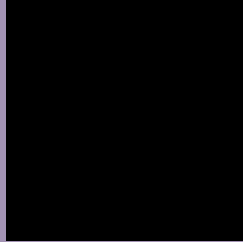
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7762, 31.9493, 47.5666

Background



This preview shows how black text looks on a background with the XYZ color 33.7762, 31.9493, 47.5666.



This preview shows how white text looks on a background with the XYZ color 33.7762, 31.9493,

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

33.7762, 31.9493, 47.5666

Protanopia

31.8081, 32.0784, 49.3150

Deuteranopia

32.7533, 32.1353, 47.1243



Tritanopia

31.9251, 31.8949, 38.6561

Trichromacy



Original Color

33.7762, 31.9493, 47.5666

Protanomaly

32.4867, 31.9624, 48.7131

Deuteranomaly

33.1822, 32.1205, 47.0988

Tritanomaly

32.6068, 31.9365, 41.9819

Monochromacy



Original Color

33.7762, 31.9493, 47.5666

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.4808, 32.8700, 40.2299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7762, 31.9493, 47.5666 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(163, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 180)  
}
```

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(163, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.7762, 31.9493, 47.5666 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(163, 147, 180) }
```


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

```
.border{ border-color:rgb(163, 147, 180) }
```

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

Here you see how a box with a 4 pixel rgb(163, 147, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7762, 31.9493, 47.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 180) }
```

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

```
.background{ background-color: rgb(163,  
147, 180) }
```

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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