

Converting Colors

XYZ(33.1330, 33.1977, 48.0053)

Have a look what the booklet for
XYZ(33.1330, 33.1977, 48.0053)
contains.

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Color

**XYZ(33.1202, 33.2765,
47.8574)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9AB4
RGB	154, 154, 180
RGB Percent	60%, 60%, 71%
CMY	0.3961, 0.3961, 0.2941
CMYK	0.14, 0.14, 0.00, 0.29
HSL	240°, 15%, 65%
HSV	240°, 14%, 71%
XYZ	33.1202, 33.2765, 47.8574
YIQ	156.9640, -8.3460, 8.0860

Conversions

Conversions Part 2

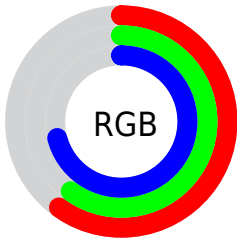
Format	Color
RYB	154, 154, 180
Decimal	10132148
CIELab	64.38, 5.36, -13.47
CIElCh	64, 14.499, 291.714
Yxy	33.2765, 0.2899, 0.2912
Android (android.graphics.Color)	4288322228 (0xFF9A9AB4)
YUV	156.9640, 11.3567, -2.5994
Hunter-Lab	57.6858, 1.5354, -8.8082

Details

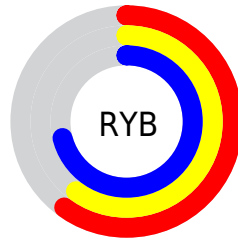
The XYZ color **33.1202, 33.2765, 47.8574** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.9765, 44.6786, 37.0366**, and the grayscale version is **31.9857, 33.6514, 36.6464**.

A 20% lighter version of the original color is **63.9907, 64.7232, 88.4770**, and **14.2745, 14.1164, 22.0511** is the 20% darker color. If you saturate the color by 10%, you get **27.1967, 26.1394, 46.7925**, and if you desaturate by 10%, it is **40.0049, 41.5720, 49.0963**.

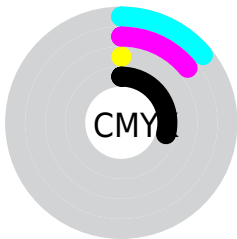
Distribution



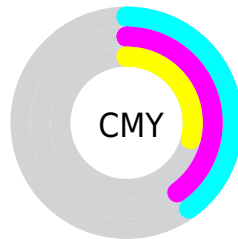
- Red (60%)
- Green (60%)
- Blue (71%)



- Red (60%)
- Yellow (60%)
- Blue (71%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (40%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1202, 33.2765, 47.8574 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 33.1202, 33.2765, 47.8574 by changing the saturation by 10% instead.

■ 33.1202, 33.2765,
47.8574

■ 33.1202, 33.2765,
47.8574

307.8464,
316.8938, 394.7190

■ 22.3782, 22.3383,
33.3548

■ 63.9166, 64.8070,
88.3554

■ 14.2532, 14.1057,
22.1250

■ 84.7017, 86.1681,
115.1878

■ 8.3799, 8.1942,
13.7496

109.5652,
111.7723, 146.9673

■ 4.3928, 4.2195,
7.8100

138.8725,
142.0040, 184.1124

■ 1.9267, 1.7971,
3.8876

172.9889,
177.2476, 227.0415

■ 0.5923, 0.4854,
1.5639

212.2798,

■ 0.0000, 0.0000,

217.8875, 276.1733

0.2648

257.1105,
264.3081, 331.9263

■ 0.0000, 0.0000,
0.0000

■ 33.1202, 33.2765,
47.8574

■ 33.1202, 33.2765,
47.8574

■ 27.1967, 26.1394,
46.7925

■ 40.0049, 41.5720,
49.0963

■ 22.1889, 20.1053,
45.8918

■ 47.8876, 51.0699,
50.5141

■ 18.0519, 15.1206,
45.1477

■ 56.8070, 61.8169,
52.1184

■ 14.7361, 11.1252,
44.5512

■ 66.7987, 73.8560,
53.9155

■ 12.1867, 8.0533,
44.0927

■ 77.8969, 87.2281,
55.9116

■ 10.3425, 5.8311,
43.7610

■ 85.2383, 96.0753,
57.2324

■ 9.1328, 4.3734,
43.5433

■ 8.4722, 3.5773,
43.4245

■ 8.2385, 3.2957,
43.3825

Harmonies

Analogous

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



31.0595, 33.2765, 48.6906



33.1202, 33.2765, 47.8574



34.8485, 33.2765, 43.7449

Triad

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



33.1202, 33.2765, 47.8574



34.1529, 33.2765, 28.0194



27.8596, 33.2765, 34.6181

Complementary

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



33.1202, 33.2765, 47.8574



40.9765, 44.6786, 37.0366

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.



28.6129, 33.2765, 29.6335



33.1202, 33.2765, 47.8574



32.2040, 33.2765, 26.1042

Square

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



33.1202, 33.2765, 47.8574



35.4625, 33.2765, 32.1860



30.1819, 33.2765, 26.6612



28.0809, 33.2765, 40.6046

Rectangle

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



33.1202, 33.2765, 47.8574



35.5503, 33.2765, 39.9189



30.1819, 33.2765, 26.6612



28.0060, 33.2765, 32.7802

Sweetspot

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



33.1212, 33.2779, 47.8581



73.0402, 75.9851, 89.1116



37.8424, 42.7908, 49.2144



15.5711, 16.1634, 19.2214



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.



33.1212, 33.2779, 47.8581



56.8232, 56.4451, 86.1947



35.6394, 34.5755, 47.9759



8.0420, 8.2303, 10.6711



5.7499, 2.3002, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



36.2115, 35.1483, 35.4492



63.3998, 60.4256, 59.7865



38.1826, 43.2390, 36.9060



8.4964, 8.5053, 8.8465



13.1369, 6.7723, 0.6152



0.4134, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 33.1202, 33.2765, 47.8574 looks on a white background.

Color Contrast Check

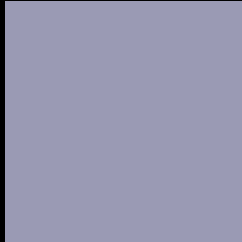
Large Text (above 18pt) WCAG AA × Fail

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 33.1202, 33.2765, 47.8574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

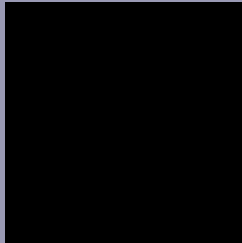
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1202, 33.2765, 47.8574

Background



This preview shows how black text looks on a background with the XYZ color 33.1202, 33.2765, 47.8574.



This preview shows how white text looks on a background with the XYZ color 33.1202, 33.2765,

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

33.1202, 33.2765, 47.8574

Protanopia

32.7221, 33.3173, 47.8863

Deuteranopia

33.9637, 33.2253, 47.8031



Tritanopia

31.9052, 33.2795, 41.7878

Trichromacy



Original Color

33.1202, 33.2765, 47.8574

Protanomaly

32.9085, 33.4134, 47.8950

Deuteranomaly

33.7300, 33.3469, 47.8388

Tritanomaly

32.3046, 33.1936, 43.7341

Monochromacy



Original Color

33.1202, 33.2765, 47.8574

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3903, 33.5615, 40.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1202, 33.2765, 47.8574 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(154, 154, 180)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 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(154, 154, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.1202, 33.2765, 47.8574 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(154, 154, 180) }
```


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

```
.border{ border-color:rgb(154, 154, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 154, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 180);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1202, 33.2765, 47.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 180) }
```

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

```
.background{ background-color: rgb(154,  
154, 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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