

Converting Colors

XYZ(32.0721, 32.0131, 47.6702)

Have a look what the booklet for
XYZ(32.0721, 32.0131, 47.6702)
contains.

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Color

**XYZ(32.0673, 32.0078,
47.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	9797B4
RGB	151, 151, 180
RGB Percent	59%, 59%, 71%
CMY	0.4078, 0.4078, 0.2941
CMYK	0.16, 0.16, 0.00, 0.29
HSL	240°, 16%, 65%
HSV	240°, 16%, 71%
XYZ	32.0673, 32.0078, 47.6680
YIQ	154.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

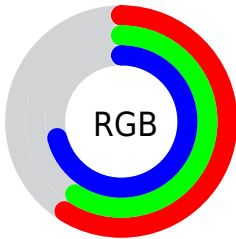
Format	Color
RYB	151, 151, 180
Decimal	9934772
CIELab	63.35, 6.06, -15.05
CIELCh	63, 16.226, 291.915
Yxy	32.0078, 0.2870, 0.2864
Android (android.graphics.Color)	4288124852 (0xFF9797B4)
YUV	154.3060, 12.6671, -2.8994
Hunter-Lab	56.5754, 2.1679, -10.3524

Details

The XYZ color **32.0673, 32.0078, 47.6680** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.7297, 44.5800, 35.7370**, and the grayscale version is **30.7993, 32.4033, 35.2872**.

A 20% lighter version of the original color is **62.1485, 62.6979, 88.1832**, and **13.6435, 13.3560, 21.9375** is the 20% darker color. If you saturate the color by 10%, you get **26.2996, 25.0583, 46.6311**, and if you desaturate by 10%, it is **38.7893, 40.1074, 48.8776**.

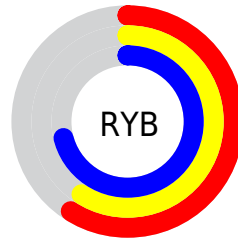
Distribution



Red (59%)

Green (59%)

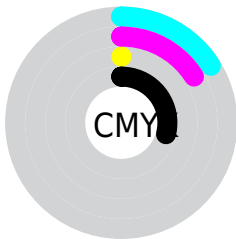
Blue (71%)



Red (59%)

Yellow (59%)

Blue (71%)

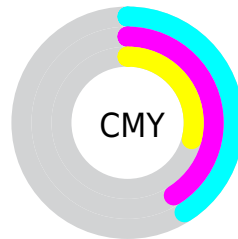


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (29%)



Cyan (41%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0673, 32.0078, 47.6680 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 32.0673, 32.0078, 47.6680 by changing the saturation by 10% instead.

■ 32.0673, 32.0078,
47.6680

■ 32.0673, 32.0078,
47.6680

303.1656,
311.1548, 393.9453

■ 21.5687, 21.3675,
33.2059

■ 62.2811, 62.8233,
88.0703

■ 13.6552, 13.3929,
22.0118

■ 82.7269, 83.7673,
114.8476

■ 7.9613, 7.6996,
13.6672

107.2193,
108.9146, 146.5670

■ 4.1218, 3.9034,
7.7535

136.1235,
138.6496, 183.6471

■ 1.7713, 1.6196,
3.8521

169.8048,
173.3567, 226.5065

■ 0.5003, 0.3708,
1.5446

208.6287,

■ 0.0000, 0.0000,

213.4204, 275.5636

0.2508

252.9605,
259.2249, 331.2370

■ 0.0000, 0.0000,
0.0000

■ 32.0673, 32.0078,
47.6680

■ 32.0673, 32.0078,
47.6680

■ 26.2996, 25.0583,
46.6311

■ 38.7893, 40.1074,
48.8776

■ 21.4401, 19.2030,
45.7570

■ 46.5029, 49.4016,
50.2650

■ 17.4435, 14.3874,
45.0382

■ 55.2471, 59.9376,
51.8378

■ 14.2594, 10.5507,
44.4655

■ 65.0579, 71.7586,
53.6024

■ 11.8321, 7.6259,
44.0288

■ 75.9695, 84.9061,
55.5650

■ 10.0988, 5.5374,
43.7171

■ 85.2383, 96.0753,
57.2324

■ 8.9871, 4.1977,
43.5171

■ 8.4021, 3.4927,
43.4118

■ 8.2384, 3.2956,
43.3824

Harmonies

Analogous

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



29.8175, 32.0078, 48.6266



32.0673, 32.0078, 47.6680



33.9594, 32.0078, 43.0734

Triad

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



32.0673, 32.0078, 47.6680



33.1722, 32.0078, 25.9734



26.3337, 32.0078, 33.1359

Complementary

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



32.0673, 32.0078, 47.6680



40.7297, 44.5800, 35.7370

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.



27.1400, 32.0078, 27.7479



32.0673, 32.0078, 47.6680



31.0355, 32.0078, 23.9589

Square

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



32.0673, 32.0078, 47.6680



34.6189, 32.0078, 30.4246



28.8348, 32.0078, 24.5659



26.5796, 32.0078, 39.6872

Rectangle

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



32.0673, 32.0078, 47.6680



34.7269, 32.0078, 38.8441



28.8348, 32.0078, 24.5659



26.4893, 32.0078, 31.1415

Sweetspot

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



32.0683, 32.0091, 47.6687



71.6822, 74.3487, 88.8673



37.2734, 42.4980, 49.1612



15.2959, 15.8318, 19.1719



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.



32.0683, 32.0091, 47.6687



54.5990, 53.7649, 85.7946



34.8260, 33.4303, 47.7977



8.0420, 8.2302, 10.6711



5.7499, 2.3001, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



35.4757, 34.0716, 33.9863



61.8455, 58.1513, 56.6964



37.6302, 42.9826, 35.5920



8.4964, 8.5053, 8.8465



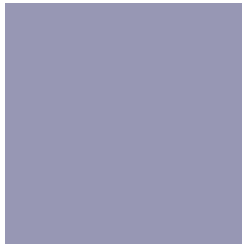
13.1369, 6.7723, 0.6151



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 32.0673, 32.0078, 47.6680 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 32.0673, 32.0078, 47.6680 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 32.0673, 32.0078, 47.6680

Background



This preview shows how black text looks on a background with the XYZ color 32.0673, 32.0078, 47.6680.



This preview shows how white text looks on a background with the XYZ color 32.0673, 32.0078,

47.6680.

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

32.0673, 32.0078, 47.6680

Protanopia

31.7815, 32.0886, 48.2347

Deuteranopia

32.6621, 32.0765, 47.6499



Tritanopia

30.4869, 31.8315, 40.6137

Trichromacy



Original Color

32.0673, 32.0078, 47.6680

Protanomaly

31.9632, 32.1822, 48.2432

Deuteranomaly

32.4710, 31.9780, 47.6410

Tritanomaly

30.9733, 31.7863, 43.0310

Monochromacy



Original Color

32.0673, 32.0078, 47.6680

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1390, 32.1991, 39.2242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0673, 32.0078, 47.6680 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(151, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 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(151, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.0673, 32.0078, 47.6680 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(151, 151, 180) }
```


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

```
.border{ border-color:rgb(151, 151, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0673, 32.0078, 47.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 180) }
```

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

```
.background{ background-color: rgb(151,  
151, 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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