

Converting Colors

XYZ(8.6926, 10.0995, 20.0338)

Have a look what the booklet for
XYZ(8.6926, 10.0995, 20.0338)
contains.

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Color

**XYZ(8.6872, 10.1474,
19.9131)**

Conversions

Conversions Part 1

Format	Color
Hex	2D5F7A
RGB	45, 95, 122
RGB Percent	18%, 37%, 48%
CMY	0.8235, 0.6274, 0.5216
CMYK	0.63, 0.22, 0.00, 0.52
HSL	201°, 46%, 33%
HSV	201°, 63%, 48%
XYZ	8.6872, 10.1474, 19.9131
YIQ	83.1280, -38.4670, -2.2030

Conversions

Conversions Part 2

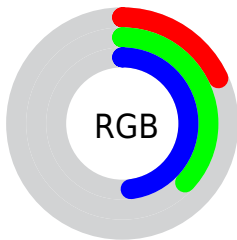
Format	Color
RYB	45, 75, 122
Decimal	2973562
CIELab	38.11, -7.99, -20.24
CIELCh	38, 21.759, 248.459
Yxy	10.1474, 0.2242, 0.2619
Android (android.graphics.Color)	4281163642 (0xFF2D5F7A)
YUV	83.1280, 19.1639, -33.4383
Hunter-Lab	31.8550, -7.0673, -14.7647

Details

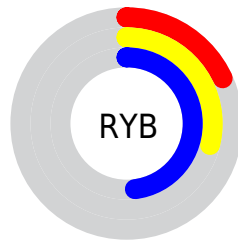
The XYZ color **8.6872, 10.1474, 19.9131** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.8174, 8.9622, 3.6427**, and the grayscale version is **8.2161, 8.6440, 9.4133**.

A 20% lighter version of the original color is **23.0089, 25.9986, 44.3630**, and **2.3009, 2.6777, 6.6989** is the 20% darker color. If you saturate the color by 10%, you get **7.8513, 9.1602, 19.7668**, and if you desaturate by 10%, it is **9.7002, 11.2577, 20.0742**.

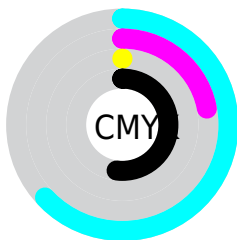
Distribution



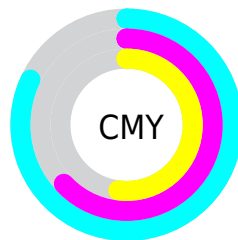
- Red (18%)
- Green (37%)
- Blue (48%)



- Red (18%)
- Yellow (29%)
- Blue (48%)



- Cyan (63%)
- Magenta (22%)
- Yellow (0%)
- Black (52%)



- Cyan (82%)
- Magenta (63%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6872, 10.1474, 19.9131 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 8.6872, 10.1474, 19.9131 by changing the saturation by 10% instead.

8.6872, 10.1474,
19.9131

8.6872, 10.1474,
19.9131

175.2839,
191.7209, 264.0329

4.5932, 5.4968,
12.1484

22.9678, 26.0724,
44.1285

2.0429, 2.5416,
6.7211

33.8850, 38.1155,
61.4163

0.6579, 0.8974,
3.2125

47.8074, 53.3917,
82.7156

0.0000, 0.0000,
1.2041

65.1003, 72.2852,
108.4449

0.0000, 0.0000,
0.0000

86.1291, 95.1805,
139.0227

111.2590,

122.4619, 174.8677

140.8555,
154.5139, 216.3982

■ 8.6872, 10.1474,
19.9131

■ 8.6872, 10.1474,
19.9131

■ 7.8513, 9.1602,
19.7668

■ 9.7002, 11.2577,
20.0742

■ 7.1773, 8.2872,
19.6338

■ 10.9017, 12.4969,
20.2501

■ 6.6480, 7.5192,
19.5135

■ 12.3034, 13.8717,
20.4416

■ 6.3248, 7.0290,
19.4359

■ 13.9155, 15.3878,
20.6492

■ 15.7478, 17.0507,
20.8736

■ 17.8090, 18.8654,
21.1153

■ 20.1078, 20.8368,
21.3746

■ 22.6520, 22.9694,
21.6522

■ 25.4494, 25.2675,
21.9483

Harmonies

Analogous

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



7.6816, 10.1474, 16.5886



8.6872, 10.1474, 19.9131



10.0474, 10.1474, 20.5959

Triad

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



8.6872, 10.1474, 19.9131



12.5690, 10.1474, 9.9500



8.0613, 10.1474, 6.0332

Complementary

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



8.6872, 10.1474, 19.9131



10.8174, 8.9622, 3.6427

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.



9.2531, 10.1474, 5.0302



8.6872, 10.1474, 19.9131



11.9169, 10.1474, 6.9041

Square

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



8.6872, 10.1474, 19.9131



12.3800, 10.1474, 14.1375



10.6703, 10.1474, 5.3049



7.3454, 10.1474, 8.4463

Rectangle

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



8.6872, 10.1474, 19.9131



10.9893, 10.1474, 19.3348



10.6703, 10.1474, 5.3049



8.4147, 10.1474, 5.5503

Sweetspot

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



8.6875, 10.1478, 19.9133



25.6135, 28.1101, 36.4687



9.2101, 14.9444, 8.5219



5.6907, 6.2756, 8.3181



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.6875, 10.1478, 19.9133



13.2190, 15.3662, 34.6622



6.0363, 4.8454, 19.0296



3.9944, 4.2871, 5.0601



6.6510, 7.3845, 20.4601



30.9046, 33.5819, 97.3229

Inverse Universe

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



11.0302, 6.8409, 11.5658



17.9620, 9.9221, 17.4814



14.1245, 15.5765, 4.7451



4.0976, 4.0548, 4.7117



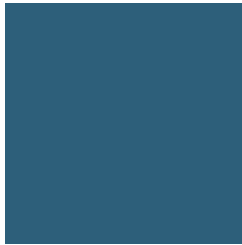
9.9405, 4.9523, 8.2433



47.0024, 23.4573, 37.1382

Previews

White Background



This preview shows how the XYZ color 8.6872, 10.1474, 19.9131 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 8.6872, 10.1474, 19.9131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

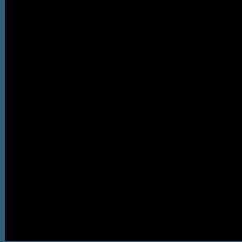
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6872, 10.1474, 19.9131

Background



This preview shows how black text looks on a background with the XYZ color 8.6872, 10.1474, 19.9131.



This preview shows how white text looks on a background with the XYZ color 8.6872, 10.1474,

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

8.6872, 10.1474, 19.9131

Protanopia

10.1803, 10.0576, 18.2344

Deuteranopia

10.2697, 10.0544, 20.4682



Tritanopia

7.7322, 10.1693, 15.1910

Trichromacy



Original Color

8.6872, 10.1474, 19.9131

Protanomaly

9.5251, 10.0793, 18.8962

Deuteranomaly

9.5630, 10.0705, 20.1787

Tritanomaly

8.0744, 10.1704, 16.8667

Monochromacy



Original Color

8.6872, 10.1474, 19.9131

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.0201, 8.9447, 12.6130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6872, 10.1474, 19.9131 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(45, 95, 122)` looks like.

```
.text, #text, p{  
    color:rgb(45, 95, 122)  
}
```

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(45, 95, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 95, 122) }
```

Border

The CSS property to change the border of an element to XYZ 8.6872, 10.1474, 19.9131 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(45, 95, 122) }
```


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

```
.border{ border-color:rgb(45, 95, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 95, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 95, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 95, 122);  
box-shadow:4px 4px 4px 4px rgb(45, 95,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6872, 10.1474, 19.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 95, 122) }
```

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

```
.background{ background-color: rgb(45, 95,  
122) }
```

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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