

Converting Colors

XYZ(19.7760, 19.9087, 30.8174)

Have a look what the booklet for
XYZ(19.7760, 19.9087, 30.8174)
contains.

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Color

**XYZ(19.7760, 19.9087,
30.8174)**

Conversions

Conversions Part 1

Format	Color
Hex	767A94
RGB	118, 122, 148
RGB Percent	46%, 48%, 58%
CMY	0.5372, 0.5216, 0.4196
CMYK	0.20, 0.18, 0.00, 0.42
HSL	232°, 12%, 52%
HSV	232°, 20%, 58%
XYZ	19.7760, 19.9087, 30.8174
YIQ	123.7680, -10.7300, 7.2380

Conversions

Conversions Part 2

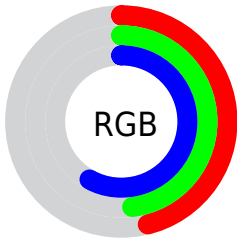
Format	Color
R_{YB}	118, 122, 148
Decimal	7764628
CIE _{Lab}	51.73, 4.32, -14.53
CIE _{LCh}	52, 15.161, 286.574
Yxy	19.9087, 0.2805, 0.2824
Android (android.graphics.Color)	4285954708 (0xFF767A94)
YUV	123.7680, 11.9464, -5.0585
Hunter-Lab	44.6192, 1.0308, -9.7168

Details

The XYZ color **19.7760, 19.9087, 30.8174** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.4562, 27.5504, 21.1161**, and the grayscale version is **19.0455, 20.0374, 21.8207**.

A 20% lighter version of the original color is **42.3743, 43.0824, 61.9595**, and **6.9945, 6.8934, 12.2712** is the 20% darker color. If you saturate the color by 10%, you get **16.4495, 16.0086, 30.2403**, and if you desaturate by 10%, it is **23.6270, 24.3887, 31.4795**.

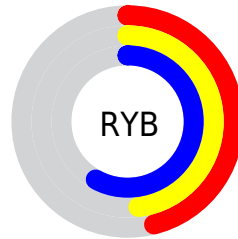
Distribution



Red (46%)

Green (48%)

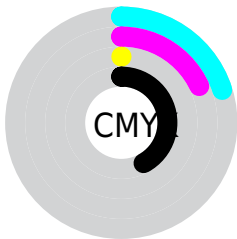
Blue (58%)



Red (46%)

Yellow (48%)

Blue (58%)

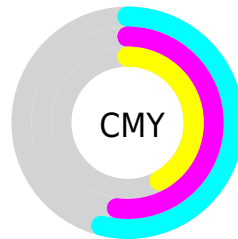


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (42%)



Cyan (54%)

Magenta (52%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7760, 19.9087, 30.8174 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 19.7760, 19.9087, 30.8174 by changing the saturation by 10% instead.

■ 19.7760, 19.9087,
30.8174

■ 19.7760, 19.9087,
30.8174

243.5566,
251.4204, 320.0213

■ 12.3396, 12.3287,
20.2025

■ 42.5481, 43.2641,
62.0287

■ 7.0493, 6.9679,
12.3568

■ 58.6146, 59.8082,
83.4622

■ 3.5395, 3.4421,
6.8617

■ 78.2885, 80.1092,
109.3390

■ 1.4451, 1.3666,
3.2986

101.9352,
104.5514, 140.0776

■ 0.2880, 0.1919,
1.2491

129.9199,
133.5192, 176.0966

■ 0.0000, 0.0000,
0.0195

162.6082,

■ 0.0000, 0.0000,

167.3971, 217.8145

0.0000

200.3653,
206.5694, 265.6499

■ 19.7760, 19.9087,
30.8174

■ 19.7760, 19.9087,
30.8174

■ 16.4495, 16.0086,
30.2403

■ 23.6270, 24.3887,
31.4795

■ 13.6229, 12.6623,
29.7433

■ 28.0220, 29.4686,
32.2284

■ 11.2723, 9.8453,
29.3235

■ 32.9817, 35.1703,
33.0675

■ 9.3713, 7.5301,
28.9768

■ 38.5253, 41.5140,
33.9998

■ 7.8907, 5.6869,
28.6991

■ 44.6710, 48.5187,
35.0279

■ 6.7979, 4.2826,
28.4856

■ 51.4362, 56.2031,
36.1546

■ 6.0552, 3.2797,
28.3312

■ 58.8376, 64.5846,
37.3823

■ 5.5909, 2.6293,
28.2301

■ 66.8913, 73.6804,
38.7135

■ 75.6128, 83.5069,
40.1505

Harmonies

Analogous

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



18.2464, 19.9087, 30.9694



19.7760, 19.9087, 30.8174



21.1453, 19.9087, 28.0140

Triad

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



19.7760, 19.9087, 30.8174



21.0222, 19.9087, 16.1058



16.1977, 19.9087, 19.7754

Complementary

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



19.7760, 19.9087, 30.8174



25.4562, 27.5504, 21.1161

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.



16.8615, 19.9087, 16.3762



19.7760, 19.9087, 30.8174



19.6154, 19.9087, 14.4588

Square

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



19.7760, 19.9087, 30.8174



21.8909, 19.9087, 19.3571



18.0942, 19.9087, 14.5506



16.2355, 19.9087, 24.1756

Rectangle

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



19.7760, 19.9087, 30.8174



21.7584, 19.9087, 25.2098



18.0942, 19.9087, 14.5506



16.3446, 19.9087, 18.4910

Sweetspot

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



19.7766, 19.9095, 30.8178



44.7876, 46.6210, 56.0728



23.0574, 27.0301, 30.1880



10.1238, 10.5266, 12.7831



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7766, 19.9095, 30.8178



32.3131, 32.1097, 53.9293



20.8016, 19.7235, 30.7279



5.5582, 5.7503, 7.2867



4.7880, 2.2709, 24.1170



0.0706, 0.0519, 0.2992

Inverse Universe

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



22.2045, 20.6584, 21.2304



37.3521, 33.7165, 34.0188



24.2590, 27.8489, 21.2368



5.8304, 5.8272, 6.2132



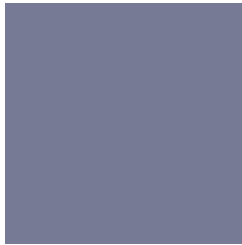
10.5439, 5.4226, 1.0790



0.1351, 0.0688, 0.0452

Previews

White Background



This preview shows how the XYZ color 19.7760, 19.9087, 30.8174 looks on a white background.

Color Contrast Check

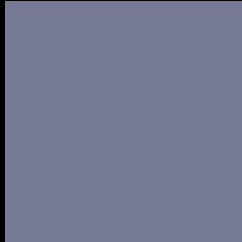
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.7760, 19.9087, 30.8174 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 × Fail

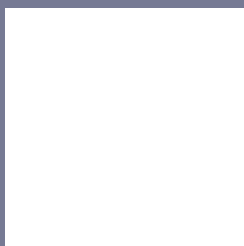
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7760, 19.9087, 30.8174

Background



This preview shows how black text looks on a background with the XYZ color 19.7760, 19.9087, 30.8174.



This preview shows how white text looks on a background with the XYZ color 19.7760, 19.9087,

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

19.7760, 19.9087, 30.8174

Protanopia

19.7760, 19.9087, 30.8174

Deuteranopia

20.2301, 19.7820, 30.7690



Tritanopia

18.5810, 19.7814, 25.3931

Trichromacy



Original Color

19.7760, 19.9087, 30.8174

Protanomaly

19.7760, 19.9087, 30.8174

Deuteranomaly

20.0678, 19.8778, 30.7961

Tritanomaly

18.9456, 19.7430, 27.2383

Monochromacy



Original Color

19.7760, 19.9087, 30.8174

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3426, 19.9969, 25.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7760, 19.9087, 30.8174 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(118, 122, 148)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 148)  
}
```

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(118, 122, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.7760, 19.9087, 30.8174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

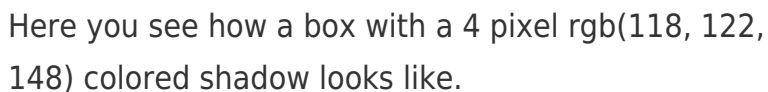
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 122, 148) }
```


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

```
.border{ border-color:rgb(118, 122, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 122, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 122, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 122, 148); box-shadow:4px 4px 4px 4px rgb(118, 122, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7760, 19.9087, 30.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 148) }
```

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

```
.background{ background-color: rgb(118,  
122, 148) }
```

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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