

Converting Colors

XYZ(19.0839, 19.5199, 34.8954)

Have a look what the booklet for
XYZ(19.0839, 19.5199, 34.8954)
contains.

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Color

**XYZ(19.0749, 19.4519,
35.0970)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7A9E
RGB	106, 122, 158
RGB Percent	42%, 48%, 62%
CMY	0.5843, 0.5216, 0.3804
CMYK	0.33, 0.23, 0.00, 0.38
HSL	222°, 21%, 52%
HSV	222°, 33%, 62%
XYZ	19.0749, 19.4519, 35.0970
YIQ	121.3200, -21.0920, 7.8040

Conversions

Conversions Part 2

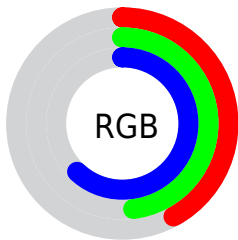
Format	Color
R_{YB}	106, 118, 158
Decimal	6978206
CIE _{Lab}	51.21, 3.03, -21.25
CIE _{LCh}	51, 21.463, 278.119
Yxy	19.4519, 0.2591, 0.2642
Android (android.graphics.Color)	4285168286 (0xFF6A7A9E)
YUV	121.3200, 18.0832, -13.4356
Hunter-Lab	44.1043, 0.0178, -16.3083

Details

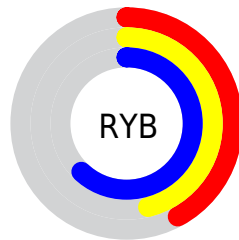
The XYZ color **19.0749, 19.4519, 35.0970** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.3752, 27.6557, 17.5841**, and the grayscale version is **18.2262, 19.1753, 20.8819**.

A 20% lighter version of the original color is **41.4444, 42.4471, 68.9596**, and **6.6812, 6.7789, 14.5920** is the 20% darker color. If you saturate the color by 10%, you get **16.0992, 16.0354, 34.5947**, and if you desaturate by 10%, it is **22.5490, 23.3506, 35.6668**.

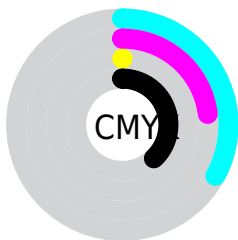
Distribution



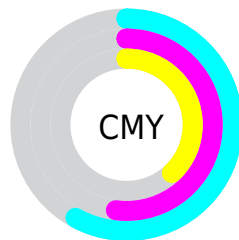
- Red (42%)
- Green (48%)
- Blue (62%)



- Red (42%)
- Yellow (46%)
- Blue (62%)



- Cyan (33%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (58%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0749, 19.4519, 35.0970 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 19.0749, 19.4519, 35.0970 by changing the saturation by 10% instead.

■ 19.0749, 19.4519,
35.0970

■ 19.0749, 19.4519,
35.0970

239.7921,
248.9323, 339.9135

■ 11.8287, 11.9973,
23.4535

■ 41.3765, 42.4963,
68.7893

■ 6.6985, 6.7418,
14.7203

■ 57.1627, 58.8549,
91.6751

■ 3.3189, 3.3012,
8.4789

■ 76.5262, 78.9502,
119.1454

■ 1.3246, 1.2909,
4.3107

■ 99.8325, 103.1667,
151.6188

■ 0.2015, 0.1342,
1.7973

127.4469,
131.8888, 189.5138

■ 0.0000, 0.0000,
0.4262

159.7347,

■ 0.0000, 0.0000,

165.5008, 233.2488

0.0000

197.0613,
204.3872, 283.2426

■ 19.0749, 19.4519,
35.0970

■ 19.0749, 19.4519,
35.0970

■ 16.0992, 16.0354,
34.5947

■ 22.5490, 23.3506,
35.6668

■ 13.5960, 13.0791,
34.1560

■ 26.5420, 27.7479,
36.3051

■ 11.5398, 10.5625,
33.7787

■ 31.0754, 32.6619,
37.0146

■ 9.9018, 8.4624,
33.4596

■ 36.1689, 38.1095,
37.7977

■ 8.6494, 6.7532,
33.1957

■ 41.8413, 44.1064,
38.6562

■ 7.7447, 5.4059,
32.9834

■ 48.1104, 50.6678,
39.5923

■ 7.2541, 4.6336,
32.8601

■ 54.9932, 57.8084,
40.6078

■ 62.5062, 65.5421,
41.7046

■ 70.6651, 73.8826,
42.8844

Harmonies

Analogous

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



16.9989, 19.4519, 34.0849



19.0749, 19.4519, 35.0970



21.1428, 19.4519, 31.8529

Triad

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



19.0749, 19.4519, 35.0970



21.9133, 19.4519, 14.7141



14.9314, 19.4519, 17.0898

Complementary

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



19.0749, 19.4519, 35.0970



26.3752, 27.6557, 17.5841

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.



16.0661, 19.4519, 13.2049



19.0749, 19.4519, 35.0970



20.0625, 19.4519, 12.0286

Square

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



19.0749, 19.4519, 35.0970



22.8621, 19.4519, 19.5608



17.9141, 19.4519, 11.5350



14.7115, 19.4519, 22.8858

Rectangle

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



19.0749, 19.4519, 35.0970



22.2019, 19.4519, 28.0232



17.9141, 19.4519, 11.5350



15.2140, 19.4519, 15.5525

Sweetspot

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



19.0755, 19.4527, 35.0975



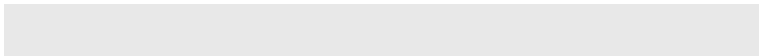
50.3365, 52.7185, 66.2661



23.0186, 29.4573, 29.8809



11.1113, 11.6273, 14.9023



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.0755, 19.4527, 35.0975



30.8429, 30.9820, 63.0980



18.4666, 16.4582, 34.5516



6.4430, 6.7517, 8.3703



5.8413, 3.7742, 26.3279



0.1395, 0.1376, 0.4824

Inverse Universe

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



22.7679, 18.9828, 20.8773



38.6352, 30.3486, 33.0077



27.1261, 31.8342, 18.3510



6.7129, 6.6781, 7.3394



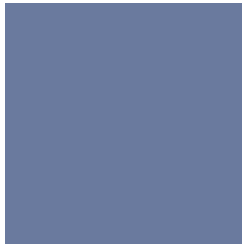
11.7466, 6.0032, 2.9168



0.2277, 0.1144, 0.1453

Previews

White Background



This preview shows how the XYZ color 19.0749, 19.4519, 35.0970 looks on a white background.

Color Contrast Check

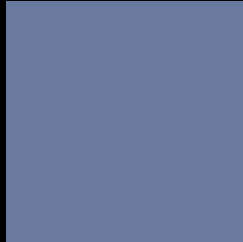
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0749, 19.4519, 35.0970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

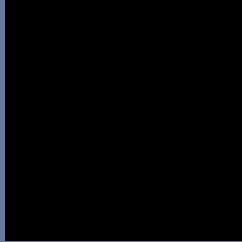
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

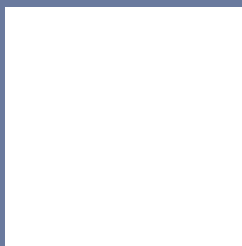
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0749, 19.4519, 35.0970

Background



This preview shows how black text looks on a background with the XYZ color 19.0749, 19.4519, 35.0970.



This preview shows how white text looks on a background with the XYZ color 19.0749, 19.4519,

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

19.0749, 19.4519, 35.0970

Protanopia

19.4844, 19.3120, 34.5989

Deuteranopia

19.8275, 19.4790, 35.0625



Tritanopia

17.2716, 19.4660, 26.1396

Trichromacy



Original Color

19.0749, 19.4519, 35.0970

Protanomaly

19.3536, 19.4241, 34.6275

Deuteranomaly

19.5645, 19.5229, 35.0849

Tritanomaly

17.9612, 19.5644, 29.2152

Monochromacy



Original Color

19.0749, 19.4519, 35.0970

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3429, 19.1090, 25.2759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0749, 19.4519, 35.0970 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(106, 122, 158)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 158)  
}
```

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(106, 122, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.0749, 19.4519, 35.0970 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(106, 122, 158) }
```


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

```
.border{ border-color:rgb(106, 122, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 122, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 158);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0749, 19.4519, 35.0970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 158) }
```

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

```
.background{ background-color: rgb(106,  
122, 158) }
```

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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