

Converting Colors

XYZ(19.5499, 17.9276, 44.0250)

Have a look what the booklet for
XYZ(19.5499, 17.9276, 44.0250)
contains.

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Color

**XYZ(19.5499, 17.9276,
44.0250)**

Conversions

Conversions Part 1

Format	Color
Hex	6871B1
RGB	104, 113, 177
RGB Percent	41%, 44%, 69%
CMY	0.5921, 0.5569, 0.3059
CMYK	0.41, 0.36, 0.00, 0.31
HSL	233°, 32%, 55%
HSV	233°, 41%, 69%
XYZ	19.5499, 17.9276, 44.0250
YIQ	117.6050, -25.9080, 17.9960

Conversions

Conversions Part 2

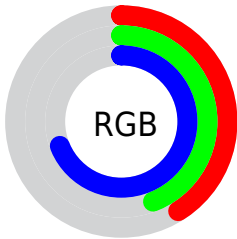
Format	Color
RYB	104, 112, 177
Decimal	6844849
CIELab	49.41, 13.22, -35.12
CIELCh	49, 37.523, 290.622
Yxy	17.9276, 0.2399, 0.2200
Android (android.graphics.Color)	4285034929 (0xFF6871B1)
YUV	117.6050, 29.2817, -11.9316
Hunter-Lab	42.3410, 8.3212, -32.0094

Details

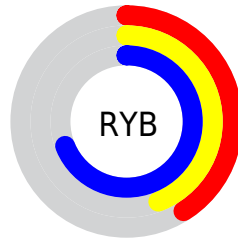
The XYZ color **19.5499, 17.9276, 44.0250** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.6337, 38.3531, 18.6752**, and the grayscale version is **17.0145, 17.9005, 19.4937**.

A 20% lighter version of the original color is **42.2637, 40.0626, 82.5961**, and **6.8936, 5.9396, 19.8519** is the 20% darker color. If you saturate the color by 10%, you get **16.1212, 13.8062, 43.4105**, and if you desaturate by 10%, it is **23.7072, 22.8647, 44.7592**.

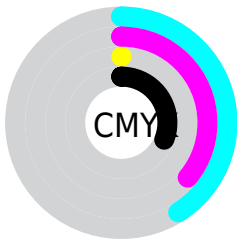
Distribution



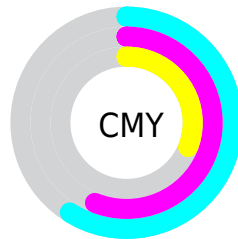
- Red (41%)
- Green (44%)
- Blue (69%)



- Red (41%)
- Yellow (44%)
- Blue (69%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5499, 17.9276, 44.0250 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 19.5499, 17.9276, 44.0250 by changing the saturation by 10% instead.

■ 19.5499, 17.9276,
44.0250

■ 19.5499, 17.9276,
44.0250

242.3482,
240.4626, 378.8546

■ 12.1746, 10.8980,
30.3528

■ 42.1710, 39.9139,
82.5582

■ 6.9358, 5.9983,
19.8522

■ 58.1475, 55.6394,
108.2564

■ 3.4679, 2.8440,
12.1047

■ 77.7219, 75.0324,
138.8003

■ 1.4058, 1.0509,
6.6916

■ 101.2594, 98.4772,
174.6084

■ 0.2603, 0.0000,
3.1945

129.1254,
126.3582, 216.0994

■ 0.0000, 0.0000,
1.1948

161.6853,

■ 0.0000, 0.0000,

159.0599, 263.6917

0.0000

199.3045,
196.9666, 317.8040

■ 19.5499, 17.9276,
44.0250

■ 19.5499, 17.9276,
44.0250

■ 16.1212, 13.8062,
43.4105

■ 23.7072, 22.8647,
44.7592

■ 13.3768, 10.4544,
42.9082

■ 28.6300, 28.6563,
45.6176

■ 11.2707, 7.8245,
42.5116

■ 34.3549, 35.3411,
46.6062

■ 9.7503, 5.8625,
42.2130

■ 40.9157, 42.9548,
47.7300

■ 8.7544, 4.5065,
42.0038

■ 48.3442, 51.5312,
48.9939

■ 8.2193, 3.7412,
41.8843

■ 56.6706, 61.1023,
50.4024

■ 65.9235, 71.6988,
51.9601

■ 76.1304, 83.3499,
53.6710

■ 84.1959, 94.4745,
55.3932

Harmonies

Analogous

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



15.9549, 17.9276, 45.7462



19.5499, 17.9276, 44.0250



22.8582, 17.9276, 34.6752

Triad

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



19.5499, 17.9276, 44.0250



21.7308, 17.9276, 8.0004



11.1699, 17.9276, 16.5140

Complementary

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



19.5499, 17.9276, 44.0250



34.6337, 38.3531, 18.6752

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.



12.3032, 17.9276, 9.5841



19.5499, 17.9276, 44.0250



18.1725, 17.9276, 5.9162

Square

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



19.5499, 17.9276, 44.0250



24.2334, 17.9276, 13.4304



14.7540, 17.9276, 6.3733



11.4323, 17.9276, 27.2182

Rectangle

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



19.5499, 17.9276, 44.0250



24.2973, 17.9276, 26.7253



14.7540, 17.9276, 6.3733



11.3936, 17.9276, 13.7425

Sweetspot

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



19.5506, 17.9283, 44.0254



60.4754, 62.0686, 83.2883



28.4315, 37.1878, 42.3686



12.8126, 13.1095, 17.9994



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.5506, 17.9283, 44.0254



29.6587, 25.6777, 77.8884



22.2110, 17.8826, 43.8764



8.1236, 8.3934, 10.6983



5.9803, 2.7609, 30.3547



0.2150, 0.1406, 0.9640

Inverse Universe

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



26.0631, 20.4409, 18.1951



42.9298, 31.1096, 25.1816



30.8422, 38.9505, 18.9904



8.5376, 8.5217, 9.0633



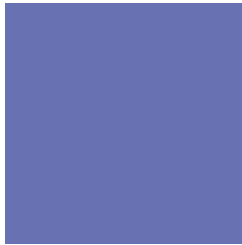
13.2532, 6.8188, 1.2275



0.4306, 0.2200, 0.1100

Previews

White Background



This preview shows how the XYZ color 19.5499, 17.9276, 44.0250 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 19.5499, 17.9276, 44.0250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

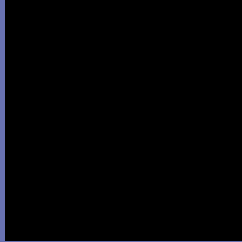
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5499, 17.9276, 44.0250

Background



This preview shows how black text looks on a background with the XYZ color 19.5499, 17.9276, 44.0250.

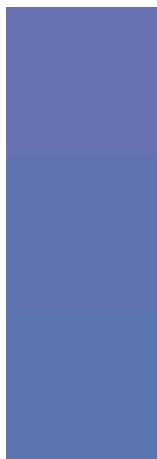


This preview shows how white text looks on a background with the XYZ color 19.5499, 17.9276,

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

19.5499, 17.9276, 44.0250

Protanopia

18.9867, 17.9490, 45.1116

Deuteranopia

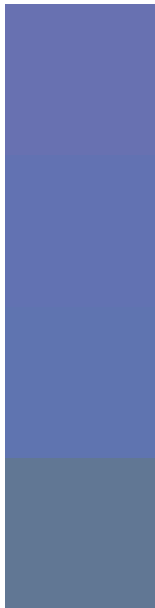
18.4142, 18.0308, 43.5841



Tritanopia

15.6386, 17.9122, 24.4629

Trichromacy



Original Color

19.5499, 17.9276, 44.0250

Protanomaly

19.0902, 17.8457, 44.5579

Deuteranomaly

18.8012, 18.0583, 43.5690

Tritanomaly

16.8719, 17.8732, 30.5776

Monochromacy



Original Color

19.5499, 17.9276, 44.0250

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7156, 17.8656, 26.9408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5499, 17.9276, 44.0250 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(104, 113, 177)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 177)  
}
```

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(104, 113, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 177) }
```

Border

The CSS property to change the border of an element to XYZ 19.5499, 17.9276, 44.0250 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(104, 113, 177) }
```


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

```
.border{ border-color:rgb(104, 113, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 113, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 177);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5499, 17.9276, 44.0250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 177) }
```

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

```
.background{ background-color: rgb(104,  
113, 177) }
```

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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