

Converting Colors

XYZ(19.6190, 20.6772, 34.8554)

Have a look what the booklet for
XYZ(19.6190, 20.6772, 34.8554)
contains.

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Color

**XYZ(19.6190, 20.6772,
34.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7F9D
RGB	106, 127, 157
RGB Percent	42%, 50%, 62%
CMY	0.5843, 0.5020, 0.3843
CMYK	0.32, 0.19, 0.00, 0.38
HSL	215°, 21%, 52%
HSV	215°, 32%, 62%
XYZ	19.6190, 20.6772, 34.8554
YIQ	124.1410, -22.1460, 4.8780

Conversions

Conversions Part 2

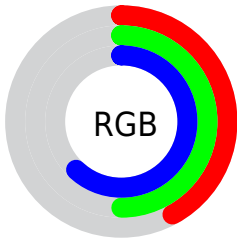
Format	Color
R _{YB}	106, 121, 157
Decimal	6979485
CIE Lab	52.59, -0.17, -18.55
CIE LCh	53, 18.549, 269.472
Yxy	20.6772, 0.2611, 0.2751
Android (android.graphics.Color)	4285169565 (0xFF6A7F9D)
YUV	124.1410, 16.1995, -15.9097
Hunter-Lab	45.4722, -2.5624, -13.6165

Details

The XYZ color **19.6190, 20.6772, 34.8554** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.3107, 25.8173, 17.2855**, and the grayscale version is **19.1586, 20.1564, 21.9503**.

A 20% lighter version of the original color is **42.5030, 44.7669, 68.6881**, and **6.9568, 7.3301, 14.6839** is the 20% darker color. If you saturate the color by 10%, you get **16.7828, 17.5253, 34.3969**, and if you desaturate by 10%, it is **22.9074, 24.2255, 35.3673**.

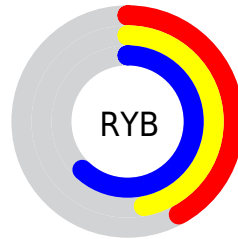
Distribution



Red (42%)

Green (50%)

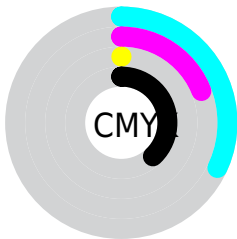
Blue (62%)



Red (42%)

Yellow (47%)

Blue (62%)

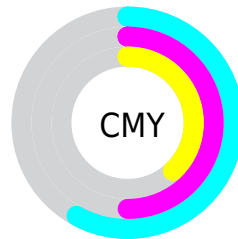


Cyan (32%)

Magenta (19%)

Yellow (0%)

Black (38%)



Cyan (58%)

Magenta (50%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6190, 20.6772, 34.8554 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 19.6190, 20.6772, 34.8554 by changing the saturation by 10% instead.

■ 19.6190, 20.6772,
34.8554

■ 19.6190, 20.6772,
34.8554

242.7181,
255.5580, 338.8145

■ 12.2250, 12.8883,
23.2688

■ 42.2863, 44.5497,
68.4107

■ 6.9704, 7.3516,
14.5850

■ 58.2904, 61.4020,
91.2166

■ 3.4898, 3.6830,
8.3853

■ 77.8952, 82.0442,
118.5993

■ 1.4177, 1.4978,
4.2512

■ 101.4662,
106.8608, 150.9774

■ 0.2688, 0.2872,
1.7641

129.3685,
136.2361, 188.7694

■ 0.0000, 0.0000,
0.4041

161.9678,

■ 0.0000, 0.0000,

170.5544, 232.3939

0.0000

199.6292,
210.2002, 282.2694

■ 19.6190, 20.6772,
34.8554

■ 19.6190, 20.6772,
34.8554

■ 16.7828, 17.5253,
34.3969

■ 22.9074, 24.2255,
35.3673

■ 14.3754, 14.7519,
33.9884

■ 26.6662, 28.1823,
35.9330

■ 12.3737, 12.3412,
33.6286

■ 30.9148, 32.5621,
36.5544

■ 10.7520, 10.2751,
33.3153

■ 35.6709, 37.3780,
37.2333

■ 9.4808, 8.5334,
33.0461

■ 40.9513, 42.6423,
37.9711

■ 8.5258, 7.0932,
32.8185

■ 46.7721, 48.3669,
38.7693

■ 7.9561, 6.1749,
32.6712

■ 53.1485, 54.5634,
39.6292

■ 60.0952, 61.2426,
40.5523

■ 67.6263, 68.4152,
41.5399

Harmonies

Analogous

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



17.8334, 20.6772, 32.9275



19.6190, 20.6772, 34.8554



21.5297, 20.6772, 33.0534

Triad

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



19.6190, 20.6772, 34.8554



23.0525, 20.6772, 17.6938



16.6359, 20.6772, 17.5502

Complementary

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



19.6190, 20.6772, 34.8554



25.3107, 25.8173, 17.2855

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.



17.8888, 20.6772, 14.4932



19.6190, 20.6772, 34.8554



21.5925, 20.6772, 14.5661

Square

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



19.6190, 20.6772, 34.8554



23.5888, 20.6772, 22.6117



19.6872, 20.6772, 13.4953



16.1814, 20.6772, 22.4165

Rectangle

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



19.6190, 20.6772, 34.8554



22.6008, 20.6772, 30.1233



19.6872, 20.6772, 13.4953



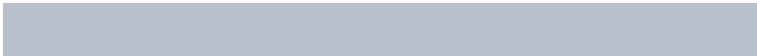
16.9734, 20.6772, 16.3078

Sweetspot

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



19.6197, 20.6780, 34.8559



49.4203, 52.2001, 64.5976



22.4275, 28.9491, 27.6057



10.6656, 11.2694, 14.1834



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.6197, 20.6780, 34.8559



31.3661, 32.8597, 61.8161



17.7019, 16.0740, 34.0683



6.4979, 6.8615, 8.3886



6.4966, 5.0848, 26.5463



0.1568, 0.1721, 0.4882

Inverse Universe

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



22.8900, 19.0090, 22.5422



38.2678, 29.8044, 35.7244



27.7487, 31.9030, 18.3316



6.7406, 6.6892, 7.4853



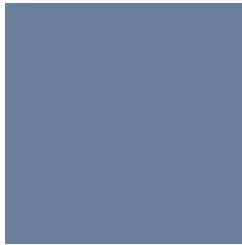
12.0774, 6.1355, 4.6586



0.2364, 0.1179, 0.1912

Previews

White Background



This preview shows how the XYZ color 19.6190, 20.6772, 34.8554 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 19.6190, 20.6772, 34.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

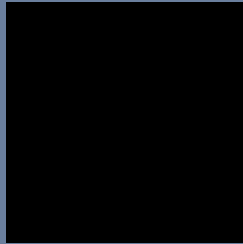
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

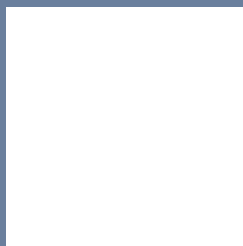
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6190, 20.6772, 34.8554

Background



This preview shows how black text looks on a background with the XYZ color 19.6190, 20.6772, 34.8554.

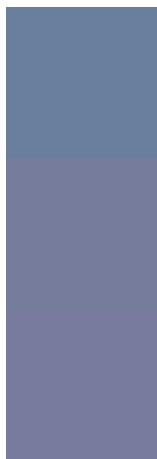


This preview shows how white text looks on a background with the XYZ color 19.6190, 20.6772,

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

19.6190, 20.6772, 34.8554

Protanopia

20.5953, 20.6334, 33.9075

Deuteranopia

21.0002, 20.6276, 35.2224



Tritanopia

18.1957, 20.6835, 27.8442

Trichromacy



Original Color

19.6190, 20.6772, 34.8554

Protanomaly

20.2738, 20.6449, 34.3688

Deuteranomaly

20.4494, 20.5288, 35.2324

Tritanomaly

18.6321, 20.6594, 30.1998

Monochromacy



Original Color

19.6190, 20.6772, 34.8554

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1137, 20.2267, 26.1893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6190, 20.6772, 34.8554 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, 127, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 127, 157)  
}
```

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, 127, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 127, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.6190, 20.6772, 34.8554 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, 127, 157) }
```


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

```
.border{ border-color:rgb(106, 127, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 127, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 127, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 127, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 127,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6190, 20.6772, 34.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 127, 157) }
```

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

```
.background{ background-color: rgb(106,  
127, 157) }
```

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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