

Converting Colors

XYZ(18.6919, 21.2178, 39.5010)

Have a look what the booklet for
XYZ(18.6919, 21.2178, 39.5010)
contains.

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Color

**XYZ(18.7559, 21.3144,
39.6848)**

Conversions

Conversions Part 1

Format	Color
Hex	5185A7
RGB	81, 133, 167
RGB Percent	32%, 52%, 65%
CMY	0.6823, 0.4784, 0.3451
CMYK	0.51, 0.20, 0.00, 0.35
HSL	204°, 35%, 49%
HSV	204°, 51%, 65%
XYZ	18.7559, 21.3144, 39.6848
YIQ	121.3280, -41.9060, -0.4500

Conversions

Conversions Part 2

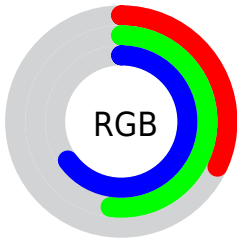
Format	Color
R_{YB}	81, 113, 167
Decimal	5342631
CIE _{Lab}	53.29, -7.58, -23.39
CIE _{LCh}	53, 24.590, 252.056
Y _{xy}	21.3144, 0.2352, 0.2672
Android (android.graphics.Color)	4283532711 (0xFF5185A7)
Y _{UV}	121.3280, 22.5163, -35.3677
Hunter-Lab	46.1675, -8.2762, -18.6474

Details

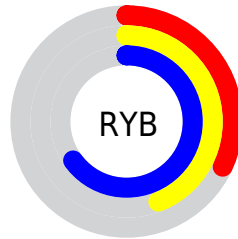
The XYZ color **18.7559, 21.3144, 39.6848** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.5529, 21.0717, 10.6112**, and the grayscale version is **18.2198, 19.1686, 20.8746**.

A 20% lighter version of the original color is **40.7354, 45.5426, 75.7509**, and **6.5741, 7.7379, 17.3667** is the 20% darker color. If you saturate the color by 10%, you get **16.6214, 18.9144, 39.3345**, and if you desaturate by 10%, it is **21.3006, 24.0111, 40.0716**.

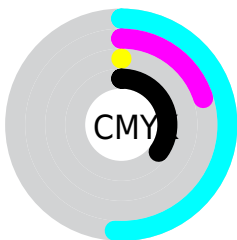
Distribution



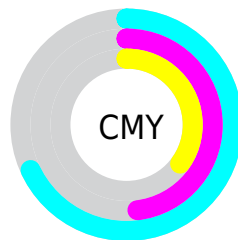
- Red (32%)
- Green (52%)
- Blue (65%)



- Red (32%)
- Yellow (44%)
- Blue (65%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)



- Cyan (68%)
- Magenta (48%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7559, 21.3144, 39.6848 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 18.7559, 21.3144, 39.6848 by changing the saturation by 10% instead.

■ 18.7559, 21.3144,
39.6848

■ 18.7559, 21.3144,
39.6848

■ 238.0619,
258.9447, 360.3058

■ 11.5970, 13.3540,
26.9810

■ 40.8413, 45.6102,
75.9151

■ 6.5401, 7.6728,
17.3266

■ 56.4985, 62.7144,
100.2787

■ 3.2200, 3.8863,
10.3032

■ 75.7191, 83.6353,
129.3659

■ 1.2711, 1.6102,
5.4922

■ 98.8686, 108.7574,
163.5953

■ 0.1614, 0.3644,
2.4751

■ 126.3123,
138.4649, 203.3855

■ 0.0000, 0.0000,
0.8269

158.4155,

■ 0.0000, 0.0000,

173.1424, 249.1549

0.0000

195.5436,
213.1742, 301.3222

■ 18.7559, 21.3144,
39.6848

■ 18.7559, 21.3144,
39.6848

■ 16.6214, 18.9144,
39.3345

■ 21.3006, 24.0111,
40.0716

■ 14.8676, 16.7931,
39.0174

■ 24.2780, 27.0162,
40.4947

■ 13.4642, 14.9337,
38.7325

■ 27.7113, 30.3437,
40.9560

■ 12.3747, 13.3157,
38.4776

■ 31.6215, 34.0057,
41.4568

■ 11.6266, 12.0931,
38.2811

■ 36.0280, 38.0138,
41.9982

■ 40.9492, 42.3786,
42.5813

■ 46.4025, 47.1107,
43.2072

■ 52.4046, 52.2196,
43.8770

■ 58.9712, 57.7150,
44.5916

Harmonies

Analogous

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



16.7660, 21.3144, 34.1913



18.7559, 21.3144, 39.6848



21.3219, 21.3144, 40.2321

Triad

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



18.7559, 21.3144, 39.6848



25.5566, 21.3144, 20.3414



17.0884, 21.3144, 14.1109

Complementary

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



18.7559, 21.3144, 39.6848



23.5529, 21.0717, 10.6112

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.



19.2314, 21.3144, 11.8252



18.7559, 21.3144, 39.6848



24.2056, 21.3144, 14.8712

Square

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



18.7559, 21.3144, 39.6848



25.4016, 21.3144, 27.9086



21.8397, 21.3144, 12.0699



15.8615, 21.3144, 19.0669

Rectangle

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



18.7559, 21.3144, 39.6848



23.0322, 21.3144, 37.5949



21.8397, 21.3144, 12.0699



17.7173, 21.3144, 13.0579

Sweetspot

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



18.7566, 21.3152, 39.6853



53.8842, 58.3529, 73.8985



20.2480, 30.6015, 20.7499



11.7398, 12.7602, 16.4963



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.7566, 21.3152, 39.6853



29.2112, 33.2226, 70.3483



14.1130, 12.0280, 38.1374



7.4949, 8.0267, 9.5726



8.9455, 9.3512, 29.3090



0.2654, 0.3231, 0.7290

Inverse Universe

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



23.1130, 15.7945, 24.0215



38.2526, 23.4699, 37.4569



29.4734, 32.9128, 12.5847



7.7144, 7.6156, 8.8132



14.0159, 7.0151, 10.1611



0.3651, 0.1803, 0.3742

Previews

White Background



This preview shows how the XYZ color 18.7559, 21.3144, 39.6848 looks on a white background.

Color Contrast Check

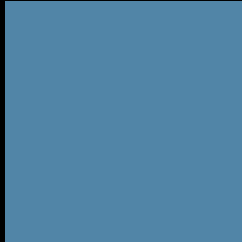
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7559, 21.3144, 39.6848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

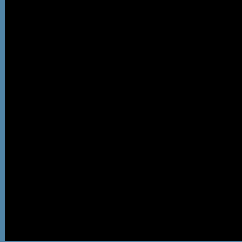
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7559, 21.3144, 39.6848

Background



This preview shows how black text looks on a background with the XYZ color 18.7559, 21.3144, 39.6848.

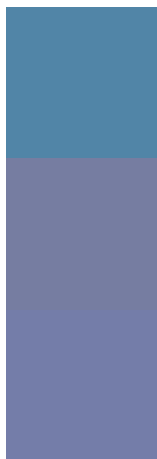


This preview shows how white text looks on a background with the XYZ color 18.7559, 21.3144,

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

18.7559, 21.3144, 39.6848

Protanopia

21.2379, 21.0920, 36.6700

Deuteranopia

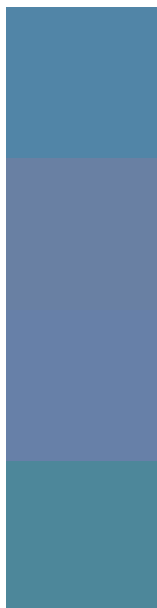
21.6975, 21.2448, 40.4932



Tritanopia

16.8947, 21.1707, 30.7997

Trichromacy



Original Color

18.7559, 21.3144, 39.6848

Protanomaly

20.1557, 21.0859, 37.6580

Deuteranomaly

20.3806, 21.1491, 40.0538

Tritanomaly

17.5573, 21.2388, 33.7460

Monochromacy



Original Color

18.7559, 21.3144, 39.6848

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8649, 19.5664, 26.8799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7559, 21.3144, 39.6848 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(81, 133, 167)` looks like.

```
.text, #text, p{  
    color:rgb(81, 133, 167)  
}
```

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(81, 133, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 133, 167) }
```

Border

The CSS property to change the border of an element to XYZ 18.7559, 21.3144, 39.6848 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(81, 133, 167) }
```


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

```
.border{ border-color:rgb(81, 133, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 133, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 133, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 133, 167);  
box-shadow:4px 4px 4px 4px rgb(81, 133,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7559, 21.3144, 39.6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 133, 167) }
```

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

```
.background{ background-color: rgb(81, 133,  
167) }
```

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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