

Converting Colors

XYZ(19.8318, 21.7845, 40.8332)

Have a look what the booklet for
XYZ(19.8318, 21.7845, 40.8332)
contains.

XYZ(19.8633, 21.8638, 40.7093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8633, 21.8638,
40.7093)**

Conversions

Conversions Part 1

Format	Color
Hex	5B85A9
RGB	91, 133, 169
RGB Percent	36%, 52%, 66%
CMY	0.6431, 0.4784, 0.3373
CMYK	0.46, 0.21, 0.00, 0.34
HSL	208°, 31%, 51%
HSV	208°, 46%, 66%
XYZ	19.8633, 21.8638, 40.7093
YIQ	124.5460, -36.5880, 2.2920

Conversions

Conversions Part 2

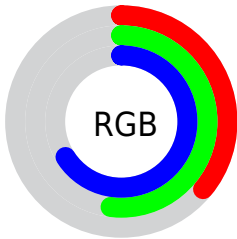
Format	Color
R _Y B	91, 118, 169
Decimal	5997993
CIE Lab	53.88, -4.50, -23.59
CIE LCh	54, 24.020, 259.201
Yxy	21.8638, 0.2410, 0.2652
Android (android.graphics.Color)	4284188073 (0xFF5B85A9)
YUV	124.5460, 21.9158, -29.4198
Hunter-Lab	46.7587, -6.0003, -18.8882

Details

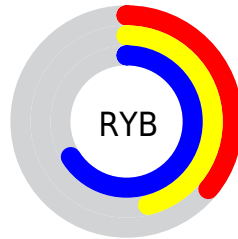
The XYZ color **19.8633, 21.8638, 40.7093** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.8403, 24.3695, 13.2400**, and the grayscale version is **19.2789, 20.2829, 22.0880**.

A 20% lighter version of the original color is **42.6905, 46.5194, 77.2501**, and **7.1442, 8.0183, 18.0008** is the 20% darker color. If you saturate the color by 10%, you get **17.3527, 19.0431, 40.2976**, and if you desaturate by 10%, it is **22.8298, 25.0382, 41.1661**.

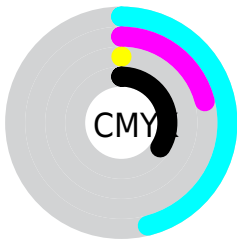
Distribution



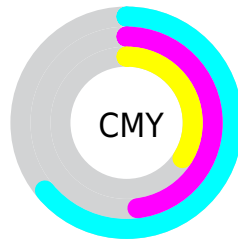
- Red (36%)
- Green (52%)
- Blue (66%)



- Red (36%)
- Yellow (46%)
- Blue (66%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (34%)



- Cyan (64%)
- Magenta (48%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8633, 21.8638, 40.7093 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 19.8633, 21.8638, 40.7093 by changing the saturation by 10% instead.

■ 19.8633, 21.8638,
40.7093

■ 19.8633, 21.8638,
40.7093

244.0218,
261.8342, 364.7448

■ 12.4034, 13.7569,
27.7740

■ 42.6936, 46.5208,
77.4913

■ 7.0932, 7.9517,
17.9178

■ 58.7947, 63.8396,
102.1750

■ 3.5673, 4.0641,
10.7222

■ 78.5068, 84.9979,
131.6121

■ 1.4604, 1.7095,
5.7685

■ 102.1955,
110.3799, 166.2209

■ 0.2986, 0.4298,
2.6383

130.2260,
140.3702, 206.4200

■ 0.0000, 0.0000,
0.9122

162.9636,

■ 0.0000, 0.0000,

175.3531, 252.6280

0.0000

200.7738,
215.7129, 305.2634

■ 19.8633, 21.8638,
40.7093

■ 19.8633, 21.8638,
40.7093

■ 17.3527, 19.0431,
40.2976

■ 22.8298, 25.0382,
41.1661

■ 15.2687, 16.5571,
39.9276

■ 26.2748, 28.5790,
41.6679

■ 13.5816, 14.3882,
39.5978

■ 30.2220, 32.5012,
42.2170

■ 12.2562, 12.5156,
39.3063

■ 34.6926, 36.8183,
42.8146

■ 11.2459, 10.9125,
39.0501

■ 39.7067, 41.5426,
43.4622

■ 10.9028, 10.3471,
38.9590

■ 45.2832, 46.6863,
44.1611

■ 51.4401, 52.2606,
44.9126

■ 58.1945, 58.2766,
45.7178

■ 65.5629, 64.7447,
46.5779

Harmonies

Analogous

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



17.6988, 21.8638, 36.2926



19.8633, 21.8638, 40.7093



22.4592, 21.8638, 39.9420

Triad

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



19.8633, 21.8638, 40.7093



25.8382, 21.8638, 19.4236



17.2401, 21.8638, 15.6621

Complementary

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



19.8633, 21.8638, 40.7093



25.8403, 24.3695, 13.2400

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.



19.1883, 21.8638, 12.7327



19.8633, 21.8638, 40.7093



24.2014, 21.8638, 14.5725

Square

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



19.8633, 21.8638, 40.7093



26.0568, 21.8638, 26.5744



21.7263, 21.8638, 12.3803



16.2700, 21.8638, 21.2368

Rectangle

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



19.8633, 21.8638, 40.7093



24.0841, 21.8638, 36.6316



21.7263, 21.8638, 12.3803



17.7944, 21.8638, 14.3894

Sweetspot

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



19.8640, 21.8646, 40.7098



55.5749, 59.6227, 75.8043



22.2752, 32.1095, 24.7969



11.7690, 12.6593, 16.4753



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.



19.8640, 21.8646, 40.7098



31.1468, 34.1849, 72.1818



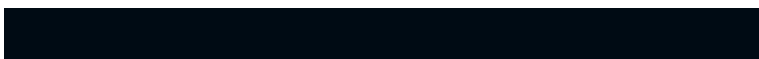
15.5596, 13.2558, 39.2750



7.4538, 7.9445, 9.5589



8.1797, 7.8197, 29.0537



0.2494, 0.2909, 0.7237

Inverse Universe

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



24.3375, 17.6113, 24.3078



40.4035, 26.6378, 37.9604



31.7241, 36.1371, 15.2013



7.6936, 7.6073, 8.7040



13.6294, 6.8605, 8.1257



0.3570, 0.1771, 0.3315

Previews

White Background



This preview shows how the XYZ color 19.8633, 21.8638, 40.7093 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 19.8633, 21.8638, 40.7093 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

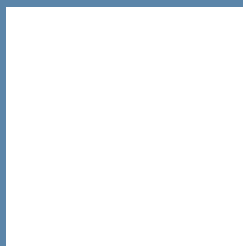
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8633, 21.8638, 40.7093

Background



This preview shows how black text looks on a background with the XYZ color 19.8633, 21.8638, 40.7093.

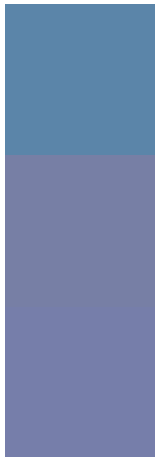


This preview shows how white text looks on a background with the XYZ color 19.8633, 21.8638,

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

19.8633, 21.8638, 40.7093

Protanopia

21.9887, 21.8173, 38.6495

Deuteranopia

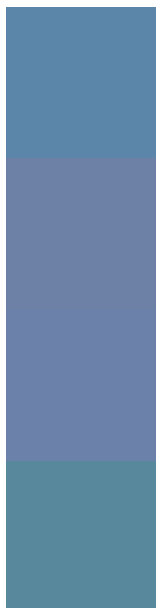
22.1878, 21.6755, 41.0446



Tritanopia

18.0373, 21.9607, 31.3052

Trichromacy



Original Color

19.8633, 21.8638, 40.7093

Protanomaly

21.0399, 21.7049, 39.1569

Deuteranomaly

21.2903, 21.7909, 41.1142

Tritanomaly

18.7354, 22.0349, 34.7182

Monochromacy



Original Color

19.8633, 21.8638, 40.7093

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3369, 20.8721, 28.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8633, 21.8638, 40.7093 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(91, 133, 169)` looks like.

```
.text, #text, p{  
    color:rgb(91, 133, 169)  
}
```

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(91, 133, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 133, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.8633, 21.8638, 40.7093 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(91, 133, 169) }
```


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

```
.border{ border-color:rgb(91, 133, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 133, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 133, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 133, 169);  
box-shadow:4px 4px 4px 4px rgb(91, 133,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8633, 21.8638, 40.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 133, 169) }
```

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

```
.background{ background-color: rgb(91, 133,  
169) }
```

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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