

Converting Colors

XYZ(20.0881, 19.8698, 31.6307)

Have a look what the booklet for
XYZ(20.0881, 19.8698, 31.6307)
contains.

XYZ(20.0881, 19.8698, 31.6307)	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(20.0881, 19.8698,
31.6307)**

Conversions

Conversions Part 1

Format	Color
Hex	787996
RGB	120, 121, 150
RGB Percent	47%, 47%, 59%
CMY	0.5294, 0.5255, 0.4118
CMYK	0.20, 0.19, 0.00, 0.41
HSL	238°, 12%, 53%
HSV	238°, 20%, 59%
XYZ	20.0881, 19.8698, 31.6307
YIQ	124.0070, -9.9050, 8.8070

Conversions

Conversions Part 2

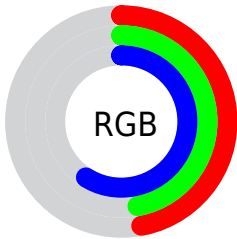
Format	Color
R_{YB}	120, 121, 150
Decimal	7895446
CIE Lab	51.69, 6.07, -15.75
CIE LCh	52, 16.879, 291.059
Yxy	19.8698, 0.2806, 0.2776
Android (android.graphics.Color)	4286085526 (0xFF787996)
YUV	124.0070, 12.8145, -3.5141
Hunter-Lab	44.5756, 2.4343, -10.8691

Details

The XYZ color **20.0881, 19.8698, 31.6307** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.7155, 29.3350, 22.0239**, and the grayscale version is **19.1220, 20.1178, 21.9083**.

A 20% lighter version of the original color is **43.0762, 43.1310, 63.1815**, and **7.2332, 7.0055, 12.7754** is the 20% darker color. If you saturate the color by 10%, you get **16.5370, 15.6175, 30.9974**, and if you desaturate by 10%, it is **24.2312, 24.8215, 32.3684**.

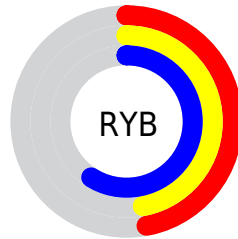
Distribution



Red (47%)

Green (47%)

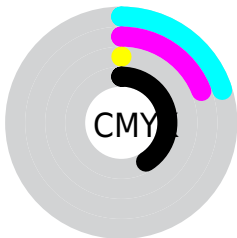
Blue (59%)



Red (47%)

Yellow (47%)

Blue (59%)

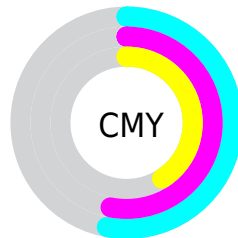


Cyan (20%)

Magenta (19%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0881, 19.8698, 31.6307 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 20.0881, 19.8698, 31.6307 by changing the saturation by 10% instead.

■ 20.0881, 19.8698,
31.6307

■ 20.0881, 19.8698,
31.6307

245.2161,
251.2094, 323.8742

■ 12.5677, 12.3004,
20.8171

■ 43.0677, 43.1988,
63.3229

■ 7.2065, 6.9486,
12.8004

■ 59.2576, 59.7272,
85.0385

■ 3.6391, 3.4300,
7.1622

■ 79.0680, 80.0108,
111.2252

■ 1.5000, 1.3601,
3.4837

102.8644,
104.4338, 142.3016

■ 0.3259, 0.1871,
1.3466

131.0120,
133.3808, 178.6862

■ 0.0000, 0.0000,
0.0996

163.8763,

■ 0.0000, 0.0000,

167.2362, 220.7974

0.0000

201.8226,
206.3842, 269.0539

■ 20.0881, 19.8698,
31.6307

■ 20.0881, 19.8698,
31.6307

■ 16.5370, 15.6175,
30.9974

■ 24.2312, 24.8215,
32.3684

■ 13.5491, 12.0307,
30.4626

■ 28.9897, 30.4994,
33.2136

■ 11.0961, 9.0765,
30.0216

■ 34.3878, 36.9322,
34.1707

■ 9.1464, 6.7183,
29.6692

■ 40.4481, 44.1460,
35.2437

■ 7.6651, 4.9154,
29.3993

■ 47.1920, 52.1658,
36.4362

■ 6.6127, 3.6225,
29.2052

■ 54.6397, 61.0155,
37.7519

■ 5.9436, 2.7867,
29.0791

■ 62.8111, 70.7179,
39.1940

■ 5.5594, 2.3107,
29.0075

■ 71.7247, 81.2951,
40.7658

■ 5.5594, 2.3107,
29.0075

■ 81.3980, 92.7679,
42.4704

Harmonies

Analogous

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



18.3808, 19.8698, 32.2960



20.0881, 19.8698, 31.6307



21.5515, 19.8698, 28.0875

Triad

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



20.0881, 19.8698, 31.6307



21.0216, 19.8698, 15.1240



15.8292, 19.8698, 20.2085

Complementary

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



20.0881, 19.8698, 31.6307



26.7155, 29.3350, 22.0239

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.



16.4492, 19.8698, 16.2549



20.0881, 19.8698, 31.6307



19.3997, 19.8698, 13.6235

Square

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



20.0881, 19.8698, 31.6307



22.1126, 19.8698, 18.4340



17.7322, 19.8698, 14.0038



15.9890, 19.8698, 25.1863

Rectangle

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



20.0881, 19.8698, 31.6307



22.1587, 19.8698, 24.8272



17.7322, 19.8698, 14.0038



15.9519, 19.8698, 18.7286

Sweetspot

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



20.0887, 19.8706, 31.6311



45.8901, 47.5379, 57.6783



24.0375, 27.9602, 32.3552



10.0660, 10.4111, 12.7638



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.0887, 19.8706, 31.6311



32.5217, 31.5602, 55.2989



21.9739, 20.6628, 31.6847



5.5141, 5.6621, 7.2720



4.6156, 1.9261, 24.0595



0.0596, 0.0297, 0.2955

Inverse Universe

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



22.7458, 21.2980, 21.0021



38.0875, 34.5648, 33.0312



24.5317, 28.4454, 21.9673



5.8082, 5.8183, 6.0960



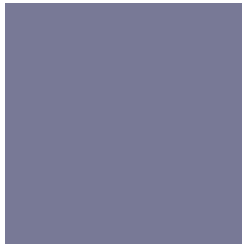
10.4568, 5.3878, 0.6208



0.1295, 0.0666, 0.0158

Previews

White Background



This preview shows how the XYZ color 20.0881, 19.8698, 31.6307 looks on a white background.

Color Contrast Check

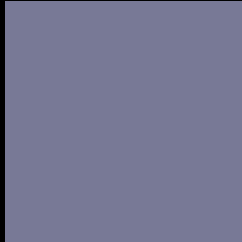
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0881, 19.8698, 31.6307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

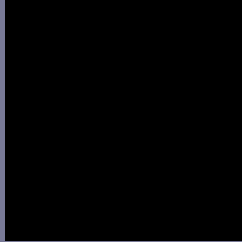
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0881, 19.8698, 31.6307

Background



This preview shows how black text looks on a background with the XYZ color 20.0881, 19.8698, 31.6307.



This preview shows how white text looks on a background with the XYZ color 20.0881, 19.8698,

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

20.0881, 19.8698, 31.6307

Protanopia

19.8816, 19.9353, 32.0782

Deuteranopia

20.2475, 19.7725, 31.6035



Tritanopia

18.8468, 19.9184, 25.4056

Trichromacy



Original Color

20.0881, 19.8698, 31.6307

Protanomaly

20.0167, 20.0050, 32.0845

Deuteranomaly

20.1066, 19.6999, 31.5969

Tritanomaly

19.2878, 19.9109, 27.6376

Monochromacy



Original Color

20.0881, 19.8698, 31.6307

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4850, 20.0703, 25.0373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0881, 19.8698, 31.6307 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(120, 121, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 150)  
}
```

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(120, 121, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.0881, 19.8698, 31.6307 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(120, 121, 150) }
```


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

```
.border{ border-color:rgb(120, 121, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0881, 19.8698, 31.6307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 150) }
```

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

```
.background{ background-color: rgb(120,  
121, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor