

Converting Colors

XYZ(19.6403, 21.3486, 61.8290)

Have a look what the booklet for
XYZ(19.6403, 21.3486, 61.8290)
contains.

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Color

**XYZ(19.6500, 21.2801,
62.1033)**

Conversions

Conversions Part 1

Format	Color
Hex	0085CF
RGB	0, 133, 207
RGB Percent	0%, 52%, 81%
CMY	0.9998, 0.4784, 0.1882
CMYK	1.00, 0.36, 0.00, 0.19
HSL	201°, 100%, 41%
HSV	201°, 100%, 81%
XYZ	19.6500, 21.2801, 62.1033
YIQ	101.6690, -103.0220, -5.1820

Conversions

Conversions Part 2

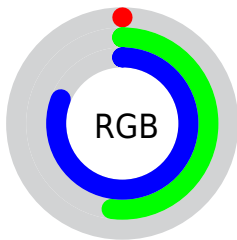
Format	Color
RYB	0, 81, 207
Decimal	34255
CIELab	53.25, -2.86, -46.46
CIELCh	53, 46.546, 266.475
Yxy	21.2801, 0.1907, 0.2065
Android (android.graphics.Color)	4278224335 (0xFF0085CF)
YUV	101.6690, 51.9282, -89.1637
Hunter-Lab	46.1304, -4.6931, -47.5283

Details

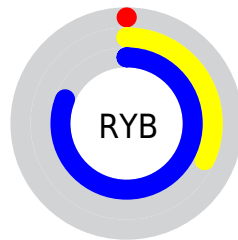
The XYZ color **19.6500, 21.2801, 62.1033** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.1842, 18.1689, 2.0227**, and the grayscale version is **12.4351, 13.0827, 14.2471**.

A 20% lighter version of the original color is **40.7545, 44.9905, 101.1438**, and **8.8378, 8.6076, 30.9014** is the 20% darker color. If you saturate the color by 10%, you get **19.6482, 21.2762, 62.1031**, and if you desaturate by 10%, it is **21.0035, 23.5358, 62.4678**.

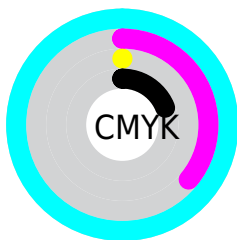
Distribution



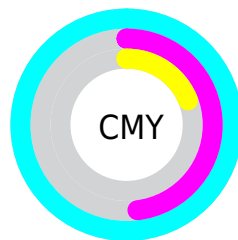
- Red (0%)
- Green (52%)
- Blue (81%)



- Red (0%)
- Yellow (32%)
- Blue (81%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6500, 21.2801, 62.1033 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 19.6500, 21.2801, 62.1033 by changing the saturation by 10% instead.

■ 19.6500, 21.2801,
62.1033

■ 19.6500, 21.2801,
62.1033

242.8838,
258.7633, 450.3258

■ 12.2477, 13.3289,
44.6798

■ 42.3380, 45.5532,
109.4479

■ 6.9860, 7.6554,
30.8642

■ 58.3544, 62.6440,
140.2060

■ 3.4996, 3.8753,
20.2379

■ 77.9729, 83.5500,
176.2462

■ 1.4231, 1.6040,
12.3823

■ 101.5588,
108.6557, 217.9869

■ 0.2726, 0.3603,
6.8789

■ 129.4775,
138.3455, 265.8467

■ 0.0000, 0.0000,
3.3092

162.0944,

■ 0.0000, 0.0000,

173.0038, 320.2441

1.2546

199.7747,
213.0149, 381.5976

■ 0.0000, 0.0000,
0.0241

■ 0.0000, 0.0000,
0.0000

■ 19.6500, 21.2801,
62.1033

■ 19.6500, 21.2801,
62.1033

■ 19.6482, 21.2762,
62.1031

■ 21.0035, 23.5358,
62.4678

■ 22.7541, 26.1041,
62.8713

■ 25.0138, 29.0451,
63.3199

■ 27.8437, 32.3921,
63.8168

■ 31.2951, 36.1736,
64.3648

■ 35.4133, 40.4149,
64.9663

■ 40.2394, 45.1389,
65.6238

■ 45.8104, 50.3666,
66.3392

■ 52.1611, 56.1176,
67.1146

Harmonies

Analogous

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



15.4377, 21.2801, 53.8954



19.6500, 21.2801, 62.1033



24.7441, 21.2801, 56.8731

Triad

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



19.6500, 21.2801, 62.1033



29.9323, 21.2801, 13.0681



13.3195, 21.2801, 11.1958

Complementary

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



19.6500, 21.2801, 62.1033



28.1842, 18.1689, 2.0227

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.



16.2945, 21.2801, 6.3945



19.6500, 21.2801, 62.1033



25.9145, 21.2801, 7.1269

Square

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



19.6500, 21.2801, 62.1033



31.2155, 21.2801, 24.8765



20.8133, 21.2801, 5.2831



12.1761, 21.2801, 21.5442

Rectangle

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



19.6500, 21.2801, 62.1033



27.8912, 21.2801, 47.2887



20.8133, 21.2801, 5.2831



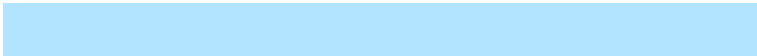
14.1122, 21.2801, 9.0711

Sweetspot

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



19.6508, 21.2808, 62.1039



64.1714, 72.0369, 105.1301



23.4989, 45.1004, 13.6798



13.0025, 14.7094, 22.4039



0.0000, 0.0000, 0.0000



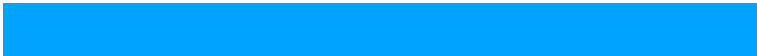
20.3446, 21.4041, 23.3091

Same Dimension

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



19.6508, 21.2808, 62.1039



31.2937, 33.7075, 99.4646



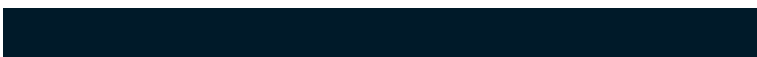
11.7554, 5.4898, 59.4720



11.7880, 12.6662, 15.0672



12.4714, 13.5894, 39.1582



0.7709, 0.9069, 2.2140

Inverse Universe

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



29.9665, 14.9599, 23.4990



47.9248, 23.9339, 37.1319



41.2495, 44.2995, 6.3778



12.1239, 11.9343, 13.9282



18.9257, 9.4431, 15.0469



1.0953, 0.5428, 1.0368

Previews

White Background



This preview shows how the XYZ color 19.6500, 21.2801, 62.1033 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 19.6500, 21.2801, 62.1033 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 19.6500, 21.2801, 62.1033

Background



This preview shows how black text looks on a background with the XYZ color 19.6500, 21.2801, 62.1033.

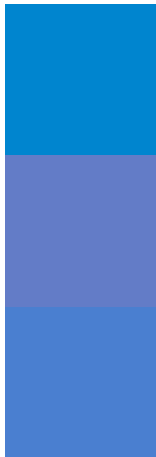


This preview shows how white text looks on a background with the XYZ color 19.6500, 21.2801,

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

19.6500, 21.2801, 62.1033

Protanopia

22.6620, 21.1915, 56.9288

Deuteranopia

21.7986, 21.1887, 62.6154



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

19.6500, 21.2801, 62.1033

Protanomaly

20.2999, 20.4998, 58.7640

Deuteranomaly

20.4077, 20.8589, 62.6251

Tritanomaly

16.4392, 21.1172, 41.7377

Monochromacy



Original Color

19.6500, 21.2801, 62.1033

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8187, 14.8275, 26.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6500, 21.2801, 62.1033 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(0, 133, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 207)  
}
```

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(0, 133, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 207) }
```

Border

The CSS property to change the border of an element to XYZ 19.6500, 21.2801, 62.1033 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(0, 133, 207) }
```


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

```
.border{ border-color:rgb(0, 133, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6500, 21.2801, 62.1033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 207) }
```

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

```
.background{ background-color: rgb(0, 133,  
207) }
```

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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