

Converting Colors

XYZ(20.4027, 21.0671, 61.5553)

Have a look what the booklet for
XYZ(20.4027, 21.0671, 61.5553)
contains.

XYZ(20.3898, 21.0745, 61.3856)	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(20.3898, 21.0745,
61.3856)**

Conversions

Conversions Part 1

Format	Color
Hex	3182CE
RGB	49, 130, 206
RGB Percent	19%, 51%, 81%
CMY	0.8078, 0.4902, 0.1922
CMYK	0.76, 0.37, 0.00, 0.19
HSL	209°, 62%, 50%
HSV	209°, 76%, 81%
XYZ	20.3898, 21.0745, 61.3856
YIQ	114.4450, -72.6720, 6.4640

Conversions

Conversions Part 2

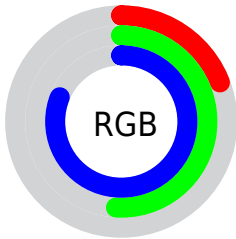
Format	Color
R_{YB}	49, 102, 206
Decimal	3244750
CIE _{Lab}	53.03, 1.77, -46.20
CIE _{LCh}	53, 46.236, 272.191
Yxy	21.0745, 0.1982, 0.2049
Android (android.graphics.Color)	4281434830 (0xFF3182CE)
YUV	114.4450, 45.1366, -57.3953
Hunter-Lab	45.9070, -1.0556, -47.1462

Details

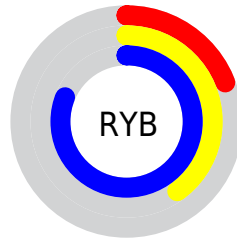
The XYZ color **20.3898, 21.0745, 61.3856** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark muted azure. A complement of this color would be **33.3432, 28.0135, 6.5567**, and the grayscale version is **16.0133, 16.8472, 18.3466**.

A 20% lighter version of the original color is **42.3196, 44.8689, 101.0378**, and **8.5283, 8.1192, 30.3958** is the 20% darker color. If you saturate the color by 10%, you get **18.3508, 18.1489, 60.9288**, and if you desaturate by 10%, it is **23.0128, 24.4925, 61.9076**.

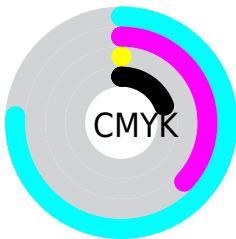
Distribution



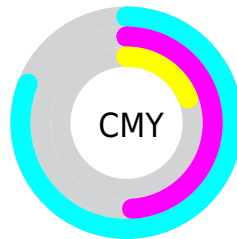
- Red (19%)
- Green (51%)
- Blue (81%)



- Red (19%)
- Yellow (40%)
- Blue (81%)



- Cyan (76%)
- Magenta (37%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3898, 21.0745, 61.3856 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 20.3898, 21.0745, 61.3856 by changing the saturation by 10% instead.

■ 20.3898, 21.0745,
61.3856

■ 20.3898, 21.0745,
61.3856

246.8111,
257.6742, 447.6321

■ 12.7886, 13.1785,
44.1039

■ 43.5687, 45.2115,
108.4000

■ 7.3591, 7.5516,
30.4144

■ 59.8772, 62.2212,
138.9698

■ 3.7360, 3.8094,
19.8986

■ 79.8188, 83.0377,
174.8060

■ 1.5539, 1.5675,
12.1380

■ 103.7588,
108.0452, 216.3271

■ 0.3621, 0.3355,
6.7141

■ 132.0628,
137.6282, 263.9517

■ 0.0000, 0.0000,
3.2082

165.0959,

■ 0.0000, 0.0000,

172.1711, 318.0984

1.2019

203.2235,
212.0583, 379.1857

■ 0.0000, 0.0000,
0.0000

■ 20.3898, 21.0745,
61.3856

■ 20.3898, 21.0745,
61.3856

■ 18.3508, 18.1489,
60.9288

■ 23.0128, 24.4925,
61.9076

■ 16.8205, 15.6707,
60.5312

■ 26.2755, 28.4362,
62.4968

■ 16.3231, 14.8212,
60.3934

■ 30.2292, 32.9371,
63.1572

■ 34.9189, 38.0233,
63.8917

■ 40.3855, 43.7204,
64.7033

■ 46.6665, 50.0525,
65.5944

■ 53.7970, 57.0418,
66.5677

■ 61.8099, 64.7095,
67.6254

■ 70.7363, 73.0759,
68.7698

Harmonies

Analogous

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



15.9826, 21.0745, 55.6593



20.3898, 21.0745, 61.3856



25.4285, 21.0745, 53.8339

Triad

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



20.3898, 21.0745, 61.3856



29.0177, 21.0745, 11.4447



12.8546, 21.0745, 12.5950

Complementary

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



20.3898, 21.0745, 61.3856



33.3432, 28.0135, 6.5567

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.



15.4565, 21.0745, 6.9399



20.3898, 21.0745, 61.3856



24.7104, 21.0745, 6.4894

Square

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



20.3898, 21.0745, 61.3856



30.8855, 21.0745, 21.9393



19.6758, 21.0745, 5.2549



12.0737, 21.0745, 23.9842

Rectangle

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



20.3898, 21.0745, 61.3856



28.3508, 21.0745, 43.5547



19.6758, 21.0745, 5.2549



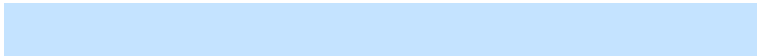
13.5220, 21.0745, 10.1468

Sweetspot

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



20.3906, 21.0752, 61.3861



68.2679, 73.7264, 105.2403



27.0332, 46.2740, 26.8719



13.8566, 15.0093, 22.4167



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.



20.3906, 21.0752, 61.3861



28.1743, 26.9458, 98.3239



13.6192, 7.5323, 59.1290



11.0724, 11.7852, 14.2616



10.1488, 9.3216, 37.2206



0.5994, 0.6325, 1.9454

Inverse Universe

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



30.5819, 16.9312, 22.7758



46.4779, 23.8438, 28.0061



47.4552, 56.2373, 11.2607



11.4499, 11.3087, 12.9038



17.3336, 8.7440, 9.4751



0.9325, 0.4664, 0.6903

Previews

White Background



This preview shows how the XYZ color 20.3898, 21.0745, 61.3856 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 20.3898, 21.0745, 61.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

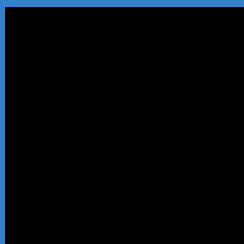
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

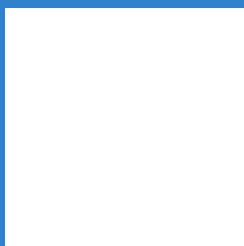
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3898, 21.0745, 61.3856

Background



This preview shows how black text looks on a background with the XYZ color 20.3898, 21.0745, 61.3856.



This preview shows how white text looks on a background with the XYZ color 20.3898, 21.0745,

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

20.3898, 21.0745, 61.3856

Protanopia

22.4381, 20.8774, 57.4907

Deuteranopia

21.6759, 21.1396, 61.9694



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

20.3898, 21.0745, 61.3856

Protanomaly

21.4298, 20.8915, 58.7801

Deuteranomaly

21.1616, 21.0672, 61.9825

Tritanomaly

16.4043, 20.6772, 41.6546

Monochromacy



Original Color

20.3898, 21.0745, 61.3856

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1994, 17.7132, 30.1690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3898, 21.0745, 61.3856 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(49, 130, 206)` looks like.

```
.text, #text, p{  
    color:rgb(49, 130, 206)  
}
```

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(49, 130, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 130, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.3898, 21.0745, 61.3856 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(49, 130, 206) }
```


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

```
.border{ border-color:rgb(49, 130, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 130, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 130, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 130, 206);  
box-shadow:4px 4px 4px 4px rgb(49, 130,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3898, 21.0745, 61.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 130, 206) }
```

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

```
.background{ background-color: rgb(49, 130,  
206) }
```

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