

Converting Colors

XYZ(11.2824, 16.2759, 60.1484)

Have a look what the booklet for
XYZ(11.2824, 16.2759, 60.1484)
contains.

XYZ(18.8697, 20.1083, 60.6444)	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(18.8697, 20.1083,
60.6444)**

Conversions

Conversions Part 1

Format	Color
Hex	0081CD
RGB	0, 129, 205
RGB Percent	0%, 51%, 80%
CMY	0.9998, 0.4941, 0.1961
CMYK	1.00, 0.37, 0.00, 0.20
HSL	202°, 100%, 40%
HSV	202°, 100%, 80%
XYZ	18.8697, 20.1083, 60.6444
YIQ	99.0930, -101.2800, -3.7120

Conversions

Conversions Part 2

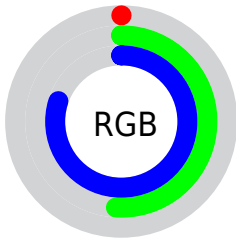
Format	Color
RYB	0, 79, 205
Decimal	33229
CIELab	51.96, -1.24, -47.38
CIELCh	52, 47.398, 268.495
Yxy	20.1083, 0.1894, 0.2018
Android (android.graphics.Color)	4278223309 (0xFF0081CD)
YUV	99.0930, 52.2122, -86.9046
Hunter-Lab	44.8423, -3.3609, -48.7938

Details

The XYZ color **18.8697, 20.1083, 60.6444** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.7648, 18.1544, 2.0421**, and the grayscale version is **11.7777, 12.3911, 13.4939**.

A 20% lighter version of the original color is **39.7195, 42.9204, 100.7988**, and **8.3737, 7.9393, 29.9453** is the 20% darker color. If you saturate the color by 10%, you get **18.8677, 20.1042, 60.6442**, and if you desaturate by 10%, it is **20.2085, 22.3409, 61.0052**.

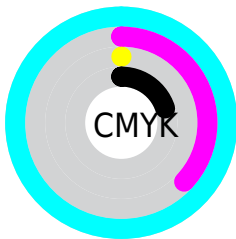
Distribution



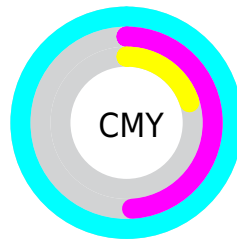
- Red (0%)
- Green (51%)
- Blue (80%)



- Red (0%)
- Yellow (31%)
- Blue (80%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8697, 20.1083, 60.6444 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 18.8697, 20.1083, 60.6444 by changing the saturation by 10% instead.

■ 18.8697, 20.1083,
60.6444

■ 18.8697, 20.1083,
60.6444

238.6804,
252.5008, 444.8394

■ 11.6796, 12.4738,
43.5096

■ 41.0324, 43.5987,
107.3164

■ 6.5966, 7.0672,
29.9508

■ 56.7357, 60.2233,
137.6906

■ 3.2552, 3.5042,
19.5495

■ 76.0074, 80.6135,
173.3151

■ 1.2901, 1.4003,
11.8872

■ 99.2130, 105.1536,
214.6083

■ 0.1758, 0.2169,
6.5453

■ 126.7177,
134.2280, 261.9887

■ 0.0000, 0.0000,
3.1053

158.8870,

■ 0.0000, 0.0000,

168.2210, 315.8751

1.1486

196.0861,
207.5172, 376.6858

■ 0.0000, 0.0000,
0.0000

■ 18.8697, 20.1083,
60.6444

■ 18.8697, 20.1083,
60.6444

■ 18.8677, 20.1042,
60.6442

■ 20.2085, 22.3409,
61.0052

■ 21.9401, 24.8887,
61.4057

■ 24.1745, 27.8109,
61.8520

■ 26.9715, 31.1404,
62.3473

■ 30.3815, 34.9054,
62.8943

■ 34.4488, 39.1309,
63.4955

■ 39.2135, 43.8393,
64.1532

■ 44.7121, 49.0517,
64.8695

■ 50.9786, 54.7874,
65.6463

Harmonies

Analogous

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



14.6625, 20.1083, 53.2596



18.8697, 20.1083, 60.6444



23.8890, 20.1083, 54.5318

Triad

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



18.8697, 20.1083, 60.6444



28.4805, 20.1083, 11.5073



12.2434, 20.1083, 10.7379

Complementary

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



18.8697, 20.1083, 60.6444



27.7648, 18.1544, 2.0421

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.



15.0190, 20.1083, 5.8610



18.8697, 20.1083, 60.6444



24.3821, 20.1083, 6.1556

Square

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



18.8697, 20.1083, 60.6444



29.9678, 20.1083, 22.5998



19.3570, 20.1083, 4.6264



11.2572, 20.1083, 21.2041

Rectangle

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



18.8697, 20.1083, 60.6444



26.9363, 20.1083, 44.6442



19.3570, 20.1083, 4.6264



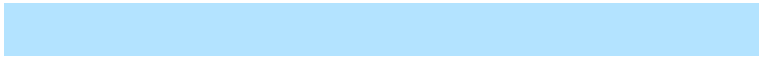
12.9723, 20.1083, 8.5851

Sweetspot

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



18.8705, 20.1089, 60.6449



63.8939, 71.4819, 105.0376



23.1088, 44.1740, 14.0002



12.9363, 14.5770, 22.3818



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.



18.8705, 20.1089, 60.6449



30.6978, 32.5156, 99.2659



11.4206, 5.2092, 58.1616



11.1800, 12.0005, 14.2974



11.8394, 12.7028, 37.7841



0.6819, 0.7976, 1.9729

Inverse Universe

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



29.1401, 14.5652, 22.0448



47.6240, 23.8136, 35.5478



41.0328, 44.6903, 6.4647



11.5042, 11.3304, 13.1899



18.1869, 9.0853, 13.9687



0.9741, 0.4831, 0.9097

Previews

White Background



This preview shows how the XYZ color 18.8697, 20.1083, 60.6444 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 18.8697, 20.1083, 60.6444 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

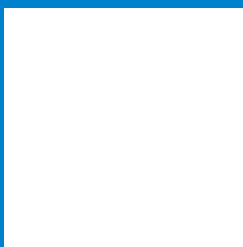
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8697, 20.1083, 60.6444

Background



This preview shows how black text looks on a background with the XYZ color 18.8697, 20.1083, 60.6444.



This preview shows how white text looks on a background with the XYZ color 18.8697, 20.1083,

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

18.8697, 20.1083, 60.6444

Protanopia

21.6465, 20.1316, 56.1710

Deuteranopia

20.6630, 20.0648, 61.1764



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

18.8697, 20.1083, 60.6444

Protanomaly

19.6137, 19.5930, 58.0064

Deuteranomaly

19.5977, 19.8915, 61.1991

Tritanomaly

15.5930, 19.8773, 40.0607

Monochromacy



Original Color

18.8697, 20.1083, 60.6444

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2133, 14.0436, 26.1117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8697, 20.1083, 60.6444 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, 129, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 205)  
}
```

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, 129, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 205) }
```

Border

The CSS property to change the border of an element to XYZ 18.8697, 20.1083, 60.6444 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, 129, 205) }
```


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

```
.border{ border-color:rgb(0, 129, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8697, 20.1083, 60.6444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 205) }
```

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

```
.background{ background-color: rgb(0, 129,  
205) }
```

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