

Converting Colors

XYZ(19.8912, 20.8391, 65.0301)

Have a look what the booklet for
XYZ(19.8912, 20.8391, 65.0301)
contains.

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Color

**XYZ(20.0000, 20.9861,
65.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	0083D4
RGB	0, 131, 212
RGB Percent	0%, 51%, 83%
CMY	0.9998, 0.4863, 0.1686
CMYK	1.00, 0.38, 0.00, 0.17
HSL	203°, 100%, 42%
HSV	203°, 100%, 83%
XYZ	20.0000, 20.9861, 65.2840
YIQ	101.0650, -104.0770, -2.5810

Conversions

Conversions Part 2

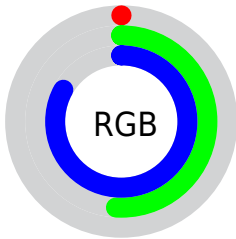
Format	Color
R _Y B	0, 81, 212
Decimal	33748
CIE Lab	52.93, 0.26, -49.79
CIE LCh	53, 49.796, 270.304
Yxy	20.9861, 0.1882, 0.1975
Android (android.graphics.Color)	4278223828 (0xFF0083D4)
YUV	101.0650, 54.6910, -88.6340
Hunter-Lab	45.8106, -2.2389, -52.4259

Details

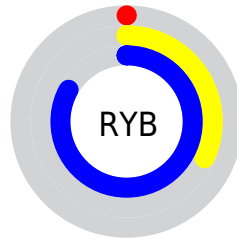
The XYZ color **20.0000, 20.9861, 65.2840** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **30.0981, 19.8897, 2.2542**, and the grayscale version is **12.2732, 12.9124, 14.0616**.

A 20% lighter version of the original color is **40.5573, 44.2677, 101.0147**, and **9.1031, 8.4689, 33.0532** is the 20% darker color. If you saturate the color by 10%, you get **19.9976, 20.9811, 65.2836**, and if you desaturate by 10%, it is **21.4459, 23.4108, 65.6763**.

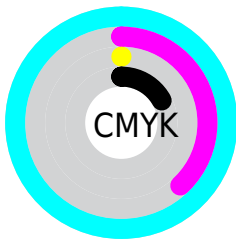
Distribution



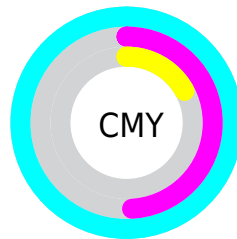
- Red (0%)
- Green (51%)
- Blue (83%)



- Red (0%)
- Yellow (32%)
- Blue (83%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (49%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0000, 20.9861, 65.2840 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 20.0000, 20.9861, 65.2840 by changing the saturation by 10% instead.

■ 20.0000, 20.9861,
65.2840

■ 20.0000, 20.9861,
65.2840

244.7487,
257.2046, 462.1460

■ 12.5033, 13.1138,
47.2386

■ 42.9211, 45.0644,
114.0752

■ 7.1621, 7.5070,
32.8686

■ 59.0763, 62.0392,
145.6582

■ 3.6109, 3.7811,
21.7555

■ 78.8483, 82.8170,
182.5907

■ 1.4844, 1.5519,
13.4808

■ 102.6025,
107.7822, 225.2913

■ 0.3152, 0.3248,
7.6258

■ 130.7043,
137.3192, 274.1786

■ 0.0000, 0.0000,
3.7722

163.5190,

■ 0.0000, 0.0000,

171.8123, 329.6711

1.5012

201.4120,
211.6460, 392.1874

■ 0.0000, 0.0000,
0.2188

■ 0.0000, 0.0000,
0.0000

■ 20.0000, 20.9861,
65.2840

■ 20.0000, 20.9861,
65.2840

■ 19.9976, 20.9811,
65.2836

■ 21.4459, 23.4108,
65.6763

■ 23.3228, 26.1866,
66.1131

■ 25.7480, 29.3768,
66.6011

■ 28.7865, 33.0177,
67.1437

■ 32.4934, 37.1400,
67.7440

■ 36.9169, 41.7713,
68.4048

■ 42.1008, 46.9363,
69.1285

■ 48.0848, 52.6580,
69.9175

■ 54.9060, 58.9577,
70.7740

Harmonies

Analogous

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



15.3797, 20.9861, 57.9809



20.0000, 20.9861, 65.2840



25.4470, 20.9861, 57.6974

Triad

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



20.0000, 20.9861, 65.2840



29.9180, 20.9861, 11.2058



12.4419, 20.9861, 11.3710

Complementary

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



20.0000, 20.9861, 65.2840



30.0981, 19.8897, 2.2542

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.



15.3022, 20.9861, 5.9419



20.0000, 20.9861, 65.2840



25.3385, 20.9861, 5.8799

Square

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



20.0000, 20.9861, 65.2840



31.7495, 20.9861, 22.6980



19.8934, 20.9861, 4.4823



11.5050, 20.9861, 23.0033

Rectangle

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



20.0000, 20.9861, 65.2840



28.7009, 20.9861, 46.5413



19.8934, 20.9861, 4.4823



13.1825, 20.9861, 8.9771

Sweetspot

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



20.0009, 20.9867, 65.2846



63.6574, 71.0089, 104.9587



24.9111, 47.6344, 15.0453



12.8799, 14.4643, 22.3630



0.0000, 0.0000, 0.0000



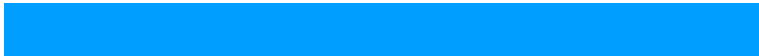
20.3446, 21.4041, 23.3091

Same Dimension

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



20.0009, 20.9867, 65.2846



30.1999, 31.5197, 99.1000



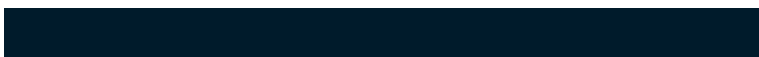
12.3071, 5.5992, 62.7200



12.3751, 13.2735, 15.8473



12.4449, 13.1516, 40.3357



0.8295, 0.9510, 2.4591

Inverse Universe

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



31.2490, 15.6370, 22.8444



47.3727, 23.7131, 34.2243



44.2386, 48.1707, 6.9677



12.7425, 12.5485, 14.5843



19.3405, 9.6725, 14.3628



1.2063, 0.5993, 1.0759

Previews

White Background



This preview shows how the XYZ color 20.0000, 20.9861, 65.2840 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 20.0000, 20.9861, 65.2840 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

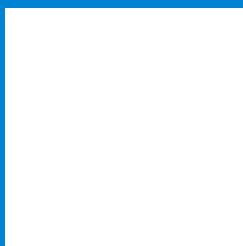
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0000, 20.9861, 65.2840

Background



This preview shows how black text looks on a background with the XYZ color 20.0000, 20.9861, 65.2840.



This preview shows how white text looks on a background with the XYZ color 20.0000, 20.9861,

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

20.0000, 20.9861, 65.2840

Protanopia

22.6166, 20.9009, 60.5999

Deuteranopia

21.7140, 21.0728, 65.8738



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

20.0000, 20.9861, 65.2840

Protanomaly

20.6497, 20.4056, 62.5248

Deuteranomaly

20.6439, 20.7139, 65.8609

Tritanomaly

16.4885, 20.9085, 42.7019

Monochromacy



Original Color

20.0000, 20.9861, 65.2840

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7162, 14.6014, 27.3474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0000, 20.9861, 65.2840 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, 131, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 212)  
}
```

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, 131, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.0000, 20.9861, 65.2840 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, 131, 212) }
```


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

```
.border{ border-color:rgb(0, 131, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0000, 20.9861, 65.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 212) }
```

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

```
.background{ background-color: rgb(0, 131,  
212) }
```

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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