

Converting Colors

XYZ(18.1358, 20.8574, 64.0961)

Have a look what the booklet for
XYZ(18.1358, 20.8574, 64.0961)
contains.

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Color

**XYZ(20.2968, 21.9811,
64.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	0087D2
RGB	0, 135, 210
RGB Percent	0%, 53%, 82%
CMY	0.9998, 0.4706, 0.1765
CMYK	1.00, 0.36, 0.00, 0.18
HSL	201°, 100%, 41%
HSV	201°, 100%, 82%
XYZ	20.2968, 21.9811, 64.1458
YIQ	103.1850, -104.5350, -5.2950

Conversions

Conversions Part 2

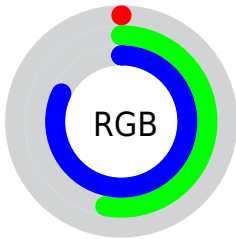
Format	Color
R _Y B	0, 82, 210
Decimal	34770
CIE Lab	54.01, -2.90, -46.96
CIE LCh	54, 47.049, 266.472
Yxy	21.9811, 0.1907, 0.2065
Android (android.graphics.Color)	4278224850 (0xFF0087D2)
YUV	103.1850, 52.6598, -90.4932
Hunter-Lab	46.8840, -4.7716, -48.3006

Details

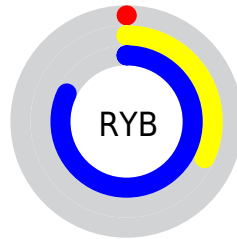
The XYZ color **20.2968, 21.9811, 64.1458** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.0979, 18.7400, 2.0849**, and the grayscale version is **12.8297, 13.4979, 14.6992**.

A 20% lighter version of the original color is **41.2887, 45.8958, 101.2904**, and **9.2442, 9.0221, 32.2646** is the 20% darker color. If you saturate the color by 10%, you get **20.2949, 21.9770, 64.1456**, and if you desaturate by 10%, it is **21.6912, 24.3091, 64.5221**.

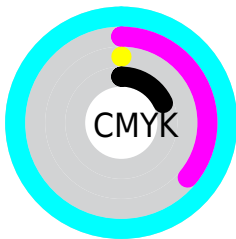
Distribution



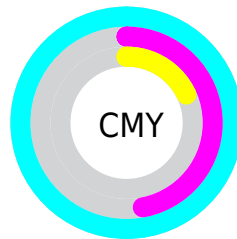
- Red (0%)
- Green (53%)
- Blue (82%)



- Red (0%)
- Yellow (32%)
- Blue (82%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2968, 21.9811, 64.1458 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 20.2968, 21.9811, 64.1458 by changing the saturation by 10% instead.

■ 20.2968, 21.9811,
64.1458

■ 20.2968, 21.9811,
64.1458

246.3204,
262.4476, 457.9379

■ 12.7205, 13.8430,
46.3218

■ 43.4144, 46.7148,
112.4224

■ 7.3120, 8.0116,
32.1494

■ 59.6864, 64.0791,
143.7121

■ 3.7061, 4.1023,
21.2098

■ 79.5876, 85.2877,
180.3274

■ 1.5372, 1.7310,
13.0847

■ 103.4835,
110.7249, 222.6869

■ 0.3509, 0.4436,
7.3555

■ 131.7394,
140.7751, 271.2092

■ 0.0000, 0.0000,
3.6036

164.7206,

■ 0.0000, 0.0000,

175.8226, 326.3128

1.4105

202.7925,
216.2520, 388.4161

■ 0.0000, 0.0000,
0.1499

■ 0.0000, 0.0000,
0.0000

■ 20.2968, 21.9811,
64.1458

■ 20.2968, 21.9811,
64.1458

■ 20.2949, 21.9770,
64.1456

■ 21.6912, 24.3091,
64.5221

■ 23.4967, 26.9605,
64.9388

■ 25.8285, 29.9970,
65.4020

■ 28.7497, 33.4531,
65.9151

■ 32.3136, 37.3584,
66.4811

■ 36.5673, 41.7391,
67.1024

■ 41.5529, 46.6188,
67.7815

■ 47.3093, 52.0194,
68.5205

■ 53.8722, 57.9611,
69.3215

Harmonies

Analogous

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



15.9461, 21.9811, 55.6670



20.2968, 21.9811, 64.1458



25.5584, 21.9811, 58.7452

Triad

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



20.2968, 21.9811, 64.1458



30.9179, 21.9811, 13.5000



13.7588, 21.9811, 11.5644

Complementary

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



20.2968, 21.9811, 64.1458



29.0979, 18.7400, 2.0849

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.



16.8319, 21.9811, 6.6055



20.2968, 21.9811, 64.1458



26.7683, 21.9811, 7.3627

Square

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



20.2968, 21.9811, 64.1458



32.2430, 21.9811, 25.6975



21.4995, 21.9811, 5.4578



12.5776, 21.9811, 22.2525

Rectangle

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



20.2968, 21.9811, 64.1458



28.8090, 21.9811, 48.8465



21.4995, 21.9811, 5.4578



14.5777, 21.9811, 9.3699

Sweetspot

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



20.2977, 21.9818, 64.1464



64.1786, 72.0513, 105.1325



24.2676, 46.5820, 14.1080



13.0042, 14.7129, 22.4044



0.0000, 0.0000, 0.0000



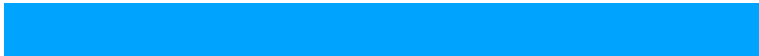
20.3446, 21.4041, 23.3091

Same Dimension

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



20.2977, 21.9818, 64.1464



31.3094, 33.7387, 99.4698



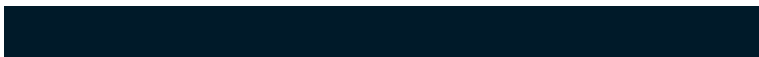
12.1377, 5.6618, 61.4264



11.7883, 12.6669, 15.0673



12.4775, 13.6016, 39.1602



0.7712, 0.9075, 2.2141

Inverse Universe

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



30.9523, 15.4520, 24.2733



47.9327, 23.9371, 37.1734



42.6004, 45.7449, 6.5857



12.1241, 11.9344, 13.9291



18.9288, 9.4444, 15.0631



1.0955, 0.5429, 1.0376

Previews

White Background



This preview shows how the XYZ color 20.2968, 21.9811, 64.1458 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 20.2968, 21.9811, 64.1458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

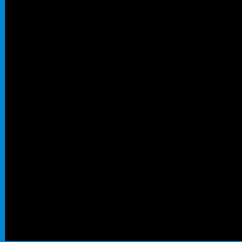
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2968, 21.9811, 64.1458

Background



This preview shows how black text looks on a background with the XYZ color 20.2968, 21.9811, 64.1458.

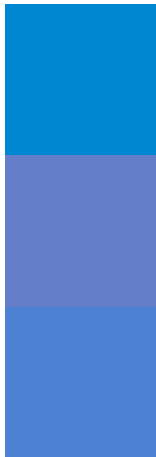


This preview shows how white text looks on a background with the XYZ color 20.2968, 21.9811,

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

20.2968, 21.9811, 64.1458

Protanopia

23.3771, 21.8953, 58.8712

Deuteranopia

22.5886, 21.9402, 64.6723



Tritanopia

15.5722, 21.9448, 33.5520

Trichromacy



Original Color

20.2968, 21.9811, 64.1458

Protanomaly

20.9841, 21.1983, 60.7433

Deuteranomaly

21.0931, 21.5641, 64.6786

Tritanomaly

17.0181, 21.8122, 43.3576

Monochromacy



Original Color

20.2968, 21.9811, 64.1458

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.2600, 15.3727, 27.8595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2968, 21.9811, 64.1458 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, 135, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 210)  
}
```

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, 135, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 210) }
```

Border

The CSS property to change the border of an element to XYZ 20.2968, 21.9811, 64.1458 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, 135, 210) }
```


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

```
.border{ border-color:rgb(0, 135, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2968, 21.9811, 64.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 210) }
```

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

```
.background{ background-color: rgb(0, 135,  
210) }
```

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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