

Converting Colors

XYZ(9.1858, 14.5719, 68.0574)

Have a look what the booklet for
XYZ(9.1858, 14.5719, 68.0574)
contains.

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Color

**XYZ(20.1138, 20.1885,
68.4823)**

Conversions

Conversions Part 1

Format	Color
Hex	007FD9
RGB	0, 127, 217
RGB Percent	0%, 50%, 85%
CMY	0.9998, 0.5020, 0.1490
CMYK	1.00, 0.41, 0.00, 0.15
HSL	205°, 100%, 43%
HSV	205°, 100%, 85%
XYZ	20.1138, 20.1885, 68.4823
YIQ	99.2870, -104.5820, 1.0660

Conversions

Conversions Part 2

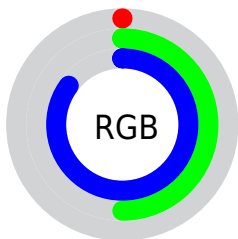
Format	Color
RYB	0, 80, 217
Decimal	32729
CIELab	52.05, 4.64, -54.03
CIELCh	52, 54.229, 274.909
Yxy	20.1885, 0.1849, 0.1856
Android (android.graphics.Color)	4278222809 (0xFF007FD9)
YUV	99.2870, 58.0325, -87.0747
Hunter-Lab	44.9316, 1.2758, -58.9144

Details

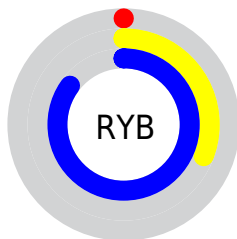
The XYZ color **20.1138, 20.1885, 68.4823** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.2768, 22.0740, 2.5612**, and the grayscale version is **11.8137, 12.4289, 13.5351**.

A 20% lighter version of the original color is **39.6496, 42.2850, 100.6798**, and **9.2290, 8.1652, 34.8078** is the 20% darker color. If you saturate the color by 10%, you get **20.1109, 20.1826, 68.4818**, and if you desaturate by 10%, it is **21.6546, 22.7868, 68.9031**.

Distribution



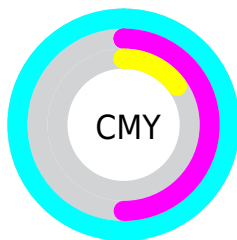
- Red (0%)
- Green (50%)
- Blue (85%)



- Red (0%)
- Yellow (31%)
- Blue (85%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1138, 20.1885, 68.4823 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 20.1138, 20.1885, 68.4823 by changing the saturation by 10% instead.

■ 20.1138, 20.1885,
68.4823

■ 20.1138, 20.1885,
68.4823

245.3524,
252.9338, 473.8473

■ 12.5865, 12.5321,
49.8211

■ 43.1104, 43.7330,
118.7026

■ 7.2195, 7.1072,
34.9011

■ 59.3104, 60.3899,
151.0987

■ 3.6473, 3.5292,
23.3037

■ 79.1321, 80.8158,
188.9102

■ 1.5046, 1.4139,
14.6105

■ 102.9407,
105.3951, 232.5556

■ 0.3290, 0.2269,
8.4029

■ 131.1017,
134.5121, 282.4535

■ 0.0000, 0.0000,
4.2624

163.9804,

■ 0.0000, 0.0000,

168.5513, 339.0224

1.7704

201.9422,
207.8971, 402.6808

■ 0.0000, 0.0000,
0.4083

■ 0.0000, 0.0000,
0.0000

■ 20.1138, 20.1885,
68.4823

■ 20.1138, 20.1885,
68.4823

■ 20.1109, 20.1826,
68.4818

■ 21.6546, 22.7868,
68.9031

■ 23.6663, 25.7858,
69.3759

■ 26.2718, 29.2528,
69.9078

■ 29.5407, 33.2272,
70.5026

■ 33.5318, 37.7429,
71.1639

■ 38.2969, 42.8299,
71.8946

■ 43.8827, 48.5156,
72.6977

■ 50.3319, 54.8252,
73.5757

■ 57.6841, 61.7822,
74.5310

Harmonies

Analogous

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



15.0200, 20.1885, 62.7531



20.1138, 20.1885, 68.4823



25.9464, 20.1885, 57.6491

Triad

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



20.1138, 20.1885, 68.4823



29.3065, 20.1885, 8.7457



11.0738, 20.1885, 11.4243

Complementary

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



20.1138, 20.1885, 68.4823



32.2768, 22.0740, 2.5612

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.



13.7196, 20.1885, 5.2633



20.1138, 20.1885, 68.4823



24.0648, 20.1885, 4.3203

Square

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



20.1138, 20.1885, 68.4823



31.8656, 20.1885, 19.4753



18.2921, 20.1885, 3.4515



10.4181, 20.1885, 24.6947

Rectangle

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



20.1138, 20.1885, 68.4823



29.2808, 20.1885, 44.5726



18.2921, 20.1885, 3.4515



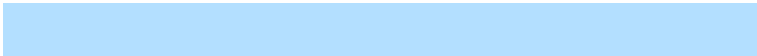
11.7311, 20.1885, 8.7029

Sweetspot

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



20.1147, 20.1891, 68.4828



62.9832, 69.6606, 104.7340



26.5273, 50.3119, 17.2945



12.7194, 14.1434, 22.3095



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.



20.1147, 20.1891, 68.4828



28.8310, 28.7820, 98.6437



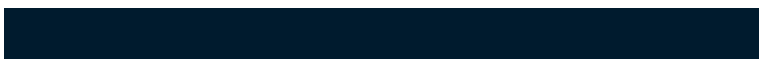
12.8074, 5.5745, 66.0471



12.9686, 13.8769, 16.6471



12.2805, 12.4304, 41.4905



0.8799, 0.9738, 2.7160

Inverse Universe

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



32.4469, 16.2854, 21.5122



46.6818, 23.4367, 30.5859



48.1996, 53.9196, 7.8688



13.3740, 13.1787, 15.2307



19.6940, 9.8786, 13.3003



1.3184, 0.6570, 1.0857

Previews

White Background



This preview shows how the XYZ color 20.1138, 20.1885, 68.4823 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 20.1138, 20.1885, 68.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

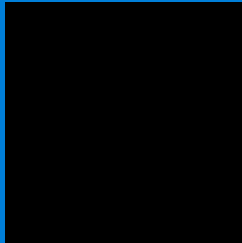
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1138, 20.1885, 68.4823

Background



This preview shows how black text looks on a background with the XYZ color 20.1138, 20.1885, 68.4823.



This preview shows how white text looks on a background with the XYZ color 20.1138, 20.1885,

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

20.1138, 20.1885, 68.4823

Protanopia

22.3416, 20.3092, 64.3706

Deuteranopia

20.8128, 20.1692, 68.4417



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

20.1138, 20.1885, 68.4823

Protanomaly

20.6145, 19.7543, 65.6772

Deuteranomaly

20.4372, 20.1645, 68.4606

Tritanomaly

15.8339, 19.7536, 42.0080

Monochromacy



Original Color

20.1138, 20.1885, 68.4823

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.4010, 13.9470, 27.6296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1138, 20.1885, 68.4823 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, 127, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 217)  
}
```

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, 127, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 217) }
```

Border

The CSS property to change the border of an element to XYZ 20.1138, 20.1885, 68.4823 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, 127, 217) }
```


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

```
.border{ border-color:rgb(0, 127, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1138, 20.1885, 68.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 217) }
```

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

```
.background{ background-color: rgb(0, 127,  
217) }
```

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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