

Converting Colors

XYZ(7.1761, 13.6839, 68.0944)

Have a look what the booklet for
XYZ(7.1761, 13.6839, 68.0944)
contains.

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Color

**XYZ(20.2436, 20.4481,
68.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	0080D9
RGB	0, 128, 217
RGB Percent	0%, 50%, 85%
CMY	0.9998, 0.4980, 0.1490
CMYK	1.00, 0.41, 0.00, 0.15
HSL	205°, 100%, 43%
HSV	205°, 100%, 85%
XYZ	20.2436, 20.4481, 68.5256
YIQ	99.8740, -104.8570, 0.5430

Conversions

Conversions Part 2

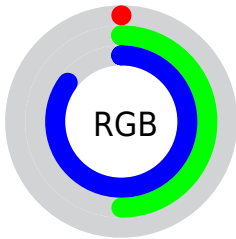
Format	Color
RYB	0, 81, 217
Decimal	32985
CIELab	52.34, 4.03, -53.57
CIELCh	52, 53.717, 274.301
Yxy	20.4481, 0.1854, 0.1872
Android (android.graphics.Color)	4278223065 (0xFF0080D9)
YUV	99.8740, 57.7431, -87.5895
Hunter-Lab	45.2196, 0.7754, -58.1942

Details

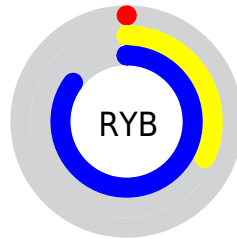
The XYZ color **20.2436, 20.4481, 68.5256** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.1929, 21.9062, 2.5332**, and the grayscale version is **11.9625, 12.5854, 13.7056**.

A 20% lighter version of the original color is **39.8507, 42.6873, 100.7469**, and **9.3017, 8.3105, 34.8321** is the 20% darker color. If you saturate the color by 10%, you get **20.2407, 20.4423, 68.5251**, and if you desaturate by 10%, it is **21.7819, 23.0414, 68.9456**.

Distribution



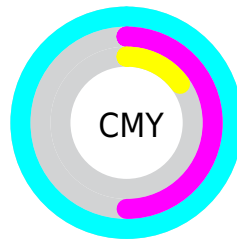
- Red (0%)
- Green (50%)
- Blue (85%)



- Red (0%)
- Yellow (32%)
- 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 20.2436, 20.4481, 68.5256 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 20.2436, 20.4481, 68.5256 by changing the saturation by 10% instead.

■ 20.2436, 20.4481,
68.5256

■ 20.2436, 20.4481,
68.5256

246.0393,
254.3307, 474.0045

■ 12.6815, 12.7212,
49.8561

■ 43.3261, 44.1672,
118.7650

■ 7.2851, 7.2368,
34.9287

■ 59.5772, 60.9282,
151.1721

■ 3.6889, 3.6107,
23.3248

■ 79.4553, 81.4693,
188.9954

■ 1.5277, 1.4582,
14.6260

■ 103.3259,
106.1749, 232.6534

■ 0.3446, 0.2591,
8.4136

■ 131.5542,
135.4295, 282.5649

■ 0.0000, 0.0000,
4.2692

164.5056,

■ 0.0000, 0.0000,

169.6174, 339.1482

1.7742

202.5456,
209.1230, 402.8219

■ 0.0000, 0.0000,
0.4108

■ 0.0000, 0.0000,
0.0000

■ 20.2436, 20.4481,
68.5256

■ 20.2436, 20.4481,
68.5256

■ 20.2407, 20.4423,
68.5251

■ 21.7819, 23.0414,
68.9456

■ 23.7889, 26.0312,
69.4169

■ 26.3876, 29.4845,
69.9465

■ 29.6474, 33.4407,
70.5383

■ 33.6271, 37.9335,
71.1957

■ 38.3783, 42.9927,
71.9218

■ 43.9476, 48.6455,
72.7194

■ 50.3778, 54.9171,
73.5910

■ 57.7082, 61.8307,
74.5391

Harmonies

Analogous

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



15.1795, 20.4481, 62.5183



20.2436, 20.4481, 68.5256



26.0640, 20.4481, 58.0826

Triad

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



20.2436, 20.4481, 68.5256



29.6084, 20.4481, 9.1355



11.3426, 20.4481, 11.4981

Complementary

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



20.2436, 20.4481, 68.5256



32.1929, 21.9062, 2.5332

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.



14.0382, 20.4481, 5.3938



20.2436, 20.4481, 68.5256



24.4203, 20.4481, 4.5541

Square

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



20.2436, 20.4481, 68.5256



32.0828, 20.4481, 20.0582



18.6488, 20.4481, 3.6119



10.6439, 20.4481, 24.6270

Rectangle

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



20.2436, 20.4481, 68.5256



29.4117, 20.4481, 45.1797



18.6488, 20.4481, 3.6119



12.0163, 20.4481, 8.8034

Sweetspot

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



20.2445, 20.4487, 68.5261



63.0777, 69.8495, 104.7655



26.5273, 50.3119, 17.2944



12.7419, 14.1883, 22.3170



0.0000, 0.0000, 0.0000



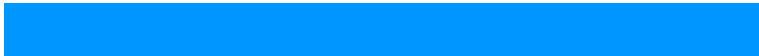
20.3446, 21.4041, 23.3091

Same Dimension

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



20.2445, 20.4487, 68.5261



29.0183, 29.1566, 98.7061



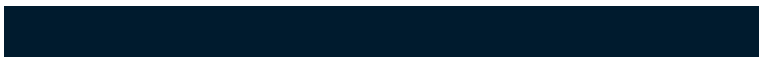
12.8074, 5.5745, 66.0471



12.9737, 13.8872, 16.6488



12.3589, 12.5873, 41.5166



0.8847, 0.9835, 2.7177

Inverse Universe

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



32.5124, 16.3116, 21.8572



46.7763, 23.4745, 31.0838



48.1996, 53.9196, 7.8688



13.3766, 13.1797, 15.2444



19.7335, 9.8945, 13.5088



1.3209, 0.6580, 1.0985

Previews

White Background



This preview shows how the XYZ color 20.2436, 20.4481, 68.5256 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 20.2436, 20.4481, 68.5256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

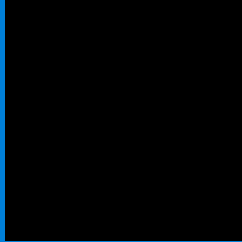
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2436, 20.4481, 68.5256

Background



This preview shows how black text looks on a background with the XYZ color 20.2436, 20.4481, 68.5256.



This preview shows how white text looks on a background with the XYZ color 20.2436, 20.4481,

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

20.2436, 20.4481, 68.5256

Protanopia

22.4330, 20.3563, 64.3748

Deuteranopia

21.2425, 20.5645, 69.1794



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

20.2436, 20.4481, 68.5256

Protanomaly

20.7934, 20.0316, 65.7213

Deuteranomaly

20.7510, 20.5019, 69.1932

Tritanomaly

16.0679, 20.0673, 42.5617

Monochromacy



Original Color

20.2436, 20.4481, 68.5256

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6482, 14.2250, 28.0657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2436, 20.4481, 68.5256 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, 128, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 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, 128, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 217) }
```

Border

The CSS property to change the border of an element to XYZ 20.2436, 20.4481, 68.5256 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, 128, 217) }
```


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

```
.border{ border-color:rgb(0, 128, 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, 128, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2436, 20.4481, 68.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 217) }
```

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

```
.background{ background-color: rgb(0, 128,  
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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