

Converting Colors

XYZ(18.3441, 7.8081, 95.1480)

Have a look what the booklet for
XYZ(18.3441, 7.8081, 95.1480)
contains.

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Color

**XYZ(18.3369, 7.7938,
95.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	0016FF
RGB	0, 22, 255
RGB Percent	0%, 9%, 100%
CMY	0.9997, 0.9138, 0.0000
CMYK	1.00, 0.91, 0.00, 0.00
HSL	235°, 100%, 50%
HSV	235°, 100%, 100%
XYZ	18.3369, 7.7938, 95.1456
YIQ	41.9840, -87.9050, 67.7990

Conversions

Conversions Part 2

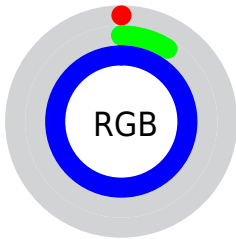
Format	Color
RYB	0, 20, 255
Decimal	5887
CIELab	33.55, 75.34, -105.78
CIELCh	34, 129.863, 305.459
Yxy	7.7938, 0.1512, 0.0643
Android (android.graphics.Color)	4278195967 (0xFF0016FF)
YUV	41.9840, 105.0169, -36.8200
Hunter-Lab	27.9174, 68.3883, -182.5249

Details

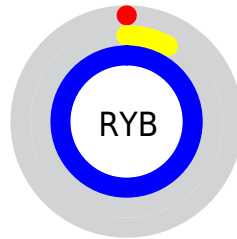
The XYZ color **18.3369, 7.7938, 95.1456** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **70.4053, 79.5899, 11.6538**, and the grayscale version is **2.1117, 2.2217, 2.4194**.

A 20% lighter version of the original color is **28.6644, 16.9504, 96.3687**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.3353, 7.7906, 95.1451**, and if you desaturate by 10%, it is **19.4149, 9.3333, 95.3860**.

Distribution



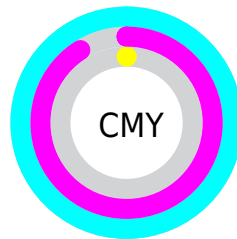
- Red (0%)
- Green (9%)
- Blue (100%)



- Red (0%)
- Yellow (8%)
- Blue (100%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3369, 7.7938, 95.1456 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 18.3369, 7.7938, 95.1456 by changing the saturation by 10% instead.


 18.3369, 7.7938,
95.1456


 18.3369, 7.7938,
95.1456


235.7722,
174.1056, 565.6272

 11.2933, 3.9633,
71.6586


 40.1362, 21.5532,
156.4631


 6.3332, 1.6530,
52.3947


 55.6225, 32.2509,
195.1306


 3.0913, 0.3930,
36.9354


 74.6538, 46.0064,
239.6954

 1.2022, 0.0000,
24.8621

 97.5955, 63.2042,
290.5760

 0.1081, 0.0000,
15.7562

 124.8128, 84.2286,
348.1909


 0.0000, 0.0000,
9.1993


 156.6711,


 0.0000, 0.0000,


109.4641, 412.9588

4.7728


 193.5358,
139.2949, 485.2980

 0.0000, 0.0000,
2.0582


 0.0000, 0.0000,
0.5907


 18.3369, 7.7938,
95.1456


 18.3369, 7.7938,
95.1456

 18.3353, 7.7906,
95.1451

 19.4149, 9.3333,
95.3860

 21.5229, 12.1333,
95.8153

 24.8959, 16.4191,
96.4648

 29.6940, 22.3608,
97.3588

■ 36.0529, 30.1052,
98.5184

■ 44.0929, 39.7828,
99.9626

■ 53.9220, 51.5119,
101.7085

■ 65.6395, 65.4013,
103.7719

■ 79.3371, 81.5522,
106.1674

Harmonies

Analogous

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



8.7690, 7.7938, 134.7080



18.3369, 7.7938, 95.1456



27.7521, 7.7938, 36.8439

Triad

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



18.3369, 7.7938, 95.1456



14.5569, 7.7938, 0.0000



0.3744, 7.7938, 12.7257

Complementary

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



18.3369, 7.7938, 95.1456



70.4053, 79.5899, 11.6538

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.



0.6464, 7.7938, 0.2731



18.3369, 7.7938, 95.1456



6.1952, 7.7938, 0.0000

Square

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



18.3369, 7.7938, 95.1456



24.7654, 7.7938, 0.0000



2.0088, 7.7938, 0.0000



0.9525, 7.7938, 56.5530

Rectangle

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



18.3369, 7.7938, 95.1456



30.6924, 7.7938, 11.9337



2.0088, 7.7938, 0.0000



0.3700, 7.7938, 5.7761

Sweetspot

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



18.3376, 7.7938, 95.1456



53.8896, 51.4733, 101.7028



49.9748, 77.2060, 86.7693



10.6000, 9.9044, 21.6030



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.



18.3376, 7.7938, 95.1456



18.3353, 7.7906, 95.1451



23.5356, 10.0491, 95.3070



17.1285, 17.6285, 22.7498



9.6233, 4.1562, 49.7296



0.9778, 0.4863, 4.8556

Inverse Universe

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



41.3855, 21.3195, 2.6921



41.3840, 21.3176, 2.6883



48.9031, 78.2955, 12.5373



18.0727, 18.0124, 19.0002



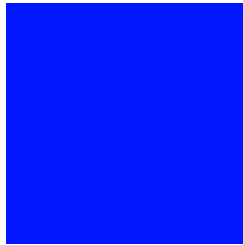
21.6456, 11.1475, 1.5183



2.1281, 1.0936, 0.2563

Previews

White Background



This preview shows how the XYZ color 18.3369, 7.7938, 95.1456 looks on a white background.

Color Contrast Check

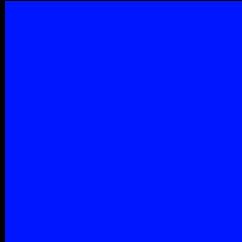
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.3369, 7.7938, 95.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

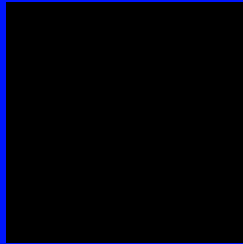
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3369, 7.7938, 95.1456

Background



This preview shows how black text looks on a background with the XYZ color 18.3369, 7.7938, 95.1456.



This preview shows how white text looks on a background with the XYZ color 18.3369, 7.7938,

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

18.3369, 7.7938, 95.1456

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.3369, 7.7938, 95.1456

Protanomaly

11.1518, 6.7234, 51.7489

Deuteranomaly

9.7525, 6.4864, 43.3858

Tritanomaly

7.3634, 5.7894, 30.0075

Monochromacy



Original Color

18.3369, 7.7938, 95.1456

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

4.3828, 2.7670, 17.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3369, 7.7938, 95.1456 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, 22, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 22, 255)  
}
```

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, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 22, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.3369, 7.7938, 95.1456 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, 22, 255) }
```


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

```
.border{ border-color:rgb(0, 22, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 22, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 22, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3369, 7.7938, 95.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 22, 255) }
```

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

```
.background{ background-color: rgb(0, 22,  
255) }
```

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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