

Converting Colors

XYZ(20.3712, 8.4166, 95.1586)

Have a look what the booklet for
XYZ(20.3712, 8.4166, 95.1586)
contains.

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Color

**XYZ(20.3647, 8.4133,
95.1583)**

Conversions

Conversions Part 1

Format	Color
Hex	4300FF
RGB	67, 0, 255
RGB Percent	26%, 0%, 100%
CMY	0.7372, 1.0000, 0.0000
CMYK	0.74, 1.00, 0.00, 0.00
HSL	256°, 100%, 50%
HSV	256°, 100%, 100%
XYZ	20.3647, 8.4133, 95.1583
YIQ	49.1030, -41.9230, 93.5090

Conversions

Conversions Part 2

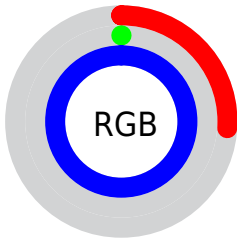
Format	Color
RYB	67, 0, 255
Decimal	4391167
CIELab	34.83, 80.10, -103.58
CIELCh	35, 130.939, 307.715
Yxy	8.4133, 0.1643, 0.0679
Android (android.graphics.Color)	4282581247 (0xFF4300FF)
YUV	49.1030, 101.5072, 15.6957
Hunter-Lab	29.0057, 74.5637, -174.2074

Details

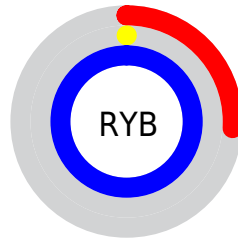
The XYZ color **20.3647, 8.4133, 95.1583** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **56.4959, 82.2097, 12.8904**, and the grayscale version is **2.8261, 2.9733, 3.2379**.

A 20% lighter version of the original color is **32.0677, 18.1814, 96.4270**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.3656, 8.4137, 95.1584**, and if you desaturate by 10%, it is **22.2288, 9.9063, 95.3483**.

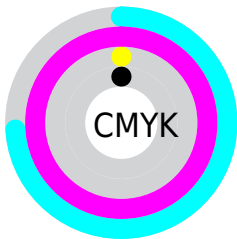
Distribution



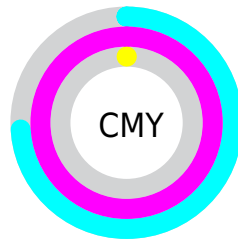
- Red (26%)
- Green (0%)
- Blue (100%)



- Red (26%)
- Yellow (0%)
- Blue (100%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (74%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3647, 8.4133, 95.1583 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 20.3647, 8.4133, 95.1583 by changing the saturation by 10% instead.

 20.3647, 8.4133,
95.1583


 20.3647, 8.4133,
95.1583


246.6788,
178.9387, 565.6689


 12.7702, 4.3605,
71.6691

 43.5271, 22.7648,
156.4807

 7.3464, 1.8772,
52.4032


 59.8257, 33.8323,
195.1511


 3.7279, 0.5346,
36.9421


 79.7564, 48.0068,
239.7189

 1.5494, 0.0000,
24.8673

 103.6846, 65.6728,
290.6027

 0.3591, 0.0000,
15.7601

 131.9755, 87.2145,
348.2211


 0.0000, 0.0000,
9.2020


 164.9946,


 0.0000, 0.0000,

113.0165, 412.9926

4.7746


 203.1073,
143.4631, 485.3357

 0.0000, 0.0000,
2.0592


 0.0000, 0.0000,
0.5913


 20.3647, 8.4133,
95.1583


 20.3647, 8.4133,
95.1583

 20.3656, 8.4137,
95.1584

 22.2288, 9.9063,
95.3483

 25.0139, 12.5674,
95.7151

 28.8960, 16.6992,
96.3080

 33.9924, 22.4919,
97.1575

■ 40.4034, 30.1060,
98.2893

■ 48.2183, 39.6824,
99.7258

■ 57.5183, 51.3481,
101.4874

■ 68.3780, 65.2192,
103.5924

■ 80.8668, 81.4031,
106.0580

Harmonies

Analogous

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



10.0800, 8.4133, 139.8257



20.3647, 8.4133, 95.1583



29.9519, 8.4133, 35.2192

Triad

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



20.3647, 8.4133, 95.1583



14.7586, 8.4133, 0.0000



0.4973, 8.4133, 15.8530

Complementary

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



20.3647, 8.4133, 95.1583



56.4959, 82.2097, 12.8904

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.



0.7071, 8.4133, 0.7269



20.3647, 8.4133, 95.1583



6.2221, 8.4133, 0.0000

Square

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



20.3647, 8.4133, 95.1583



25.5452, 8.4133, 0.0000



2.0417, 8.4133, 0.0000



1.1719, 8.4133, 64.2328

Rectangle

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



20.3647, 8.4133, 95.1583



32.5804, 8.4133, 10.8968



2.0417, 8.4133, 0.0000



0.4709, 8.4133, 7.6194

Sweetspot

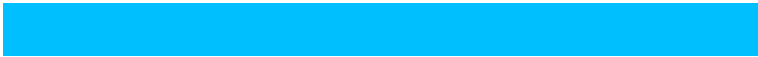
The Sweet Spot groups the original color and five complimentary colors.



20.3656, 8.4137, 95.1584



57.5183, 51.3481, 101.4874



36.7354, 44.5907, 101.2785



11.4322, 9.8817, 21.5548



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.



20.3656, 8.4137, 95.1584



39.5988, 18.3288, 96.0585



17.4506, 17.6085, 22.7290



10.7597, 4.4573, 49.7278



1.1451, 0.4842, 4.8464

Inverse Universe

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



50.3157, 24.8903, 49.7220



37.8581, 72.6016, 12.0182



18.5769, 18.2141, 21.6549



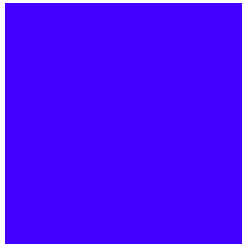
26.3558, 13.0316, 26.3218



2.6112, 1.2868, 2.7997

Previews

White Background



This preview shows how the XYZ color 20.3647, 8.4133, 95.1583 looks on a white background.

Color Contrast Check

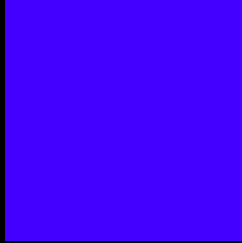
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3647, 8.4133, 95.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

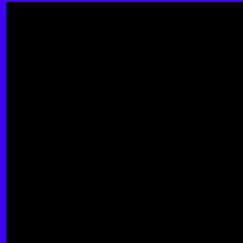
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3647, 8.4133, 95.1583

Background



This preview shows how black text looks on a background with the XYZ color 20.3647, 8.4133, 95.1583.



This preview shows how white text looks on a background with the XYZ color 20.3647, 8.4133,

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

20.3647, 8.4133, 95.1583

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9848, 8.5174, 12.6378

Trichromacy



Original Color

20.3647, 8.4133, 95.1583

Protanomaly

11.8693, 6.6854, 54.6977

Deuteranomaly

10.2431, 6.2514, 45.4665

Tritanomaly

7.7734, 5.6552, 31.2537

Monochromacy



Original Color

20.3647, 8.4133, 95.1583

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.7590, 3.2760, 19.3976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3647, 8.4133, 95.1583 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(67, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 0, 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(67, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.3647, 8.4133, 95.1583 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(67, 0, 255) }
```

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

```
.border{ border-color:rgb(67, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(67, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3647, 8.4133, 95.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 0, 255) }
```

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

```
.background{ background-color: rgb(67, 0,  
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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