

Converting Colors

XYZ(19.9865, 9.0268, 95.2967)

Have a look what the booklet for
XYZ(19.9865, 9.0268, 95.2967)
contains.

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Color

**XYZ(20.0100, 9.0378,
95.2976)**

Conversions

Conversions Part 1

Format	Color
Hex	3421FF
RGB	52, 33, 255
RGB Percent	20%, 13%, 100%
CMY	0.7960, 0.8706, 0.0000
CMYK	0.80, 0.87, 0.00, 0.00
HSL	245°, 100%, 56%
HSV	245°, 87%, 100%
XYZ	20.0100, 9.0378, 95.2976
YIQ	63.9890, -59.9380, 73.0700

Conversions

Conversions Part 2

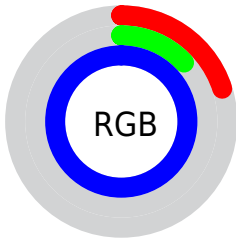
Format	Color
R _Y B	52, 33, 255
Decimal	3416575
CIE Lab	36.06, 73.06, -101.56
CIE LCh	36, 125.107, 305.732
Yxy	9.0378, 0.1609, 0.0727
Android (android.graphics.Color)	4281606655 (0xFF3421FF)
YUV	63.9890, 94.1684, -10.5144
Hunter-Lab	30.0629, 66.2001, -166.9015

Details

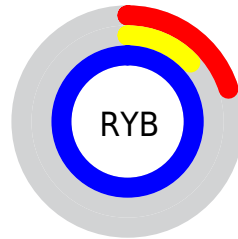
The XYZ color **20.0100, 9.0378, 95.2976** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **70.6183, 89.4584, 14.9835**, and the grayscale version is **4.7424, 4.9894, 5.4334**.

A 20% lighter version of the original color is **31.5314, 19.3503, 96.6808**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.6296, 7.6395, 95.1004**, and if you desaturate by 10%, it is **22.5157, 11.8053, 95.6997**.

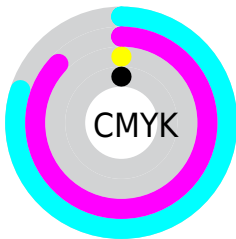
Distribution



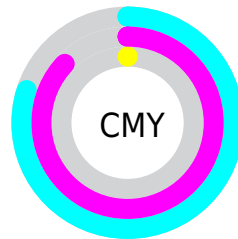
- Red (20%)
- Green (13%)
- Blue (100%)



- Red (20%)
- Yellow (13%)
- Blue (100%)



- Cyan (80%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0100, 9.0378, 95.2976 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 20.0100, 9.0378, 95.2976 by changing the saturation by 10% instead.

■ 20.0100, 9.0378,
95.2976

■ 20.0100, 9.0378,
95.2976

244.8018,
183.6596, 566.1259

■ 12.5106, 4.7658,
71.7844

■ 42.9378, 23.9692,
156.6748

■ 7.1671, 2.1105,
52.4968

■ 59.0969, 35.3975,
195.3759

■ 3.6141, 0.6705,
37.0163

■ 78.8732, 49.9800,
239.9768

■ 1.4862, 0.0000,
24.9242

■ 102.6322, 68.1011,
290.8959

■ 0.3164, 0.0000,
15.8021

■ 130.7392, 90.1452,
348.5518

■ 0.0000, 0.0000,
9.2314

■ 163.5596,

■ 0.0000, 0.0000,

116.4967, 413.3631

4.7935

201.4587,
147.5401, 485.7483

■ 0.0000, 0.0000,
2.0700

■ 0.0000, 0.0000,
0.5978

■ 20.0100, 9.0378,
95.2976

■ 20.0100, 9.0378,
95.2976

■ 18.6296, 7.6395,
95.1004

■ 22.5157, 11.8053,
95.6997

■ 18.3776, 7.3889,
95.0653

■ 26.3268, 16.1923,
96.3456

■ 31.5919, 22.3974,
97.2658

■ 38.4387, 30.5907,
98.4864

■ 46.9810, 40.9226,
100.0304

■ 57.3217, 53.5288,
101.9187

■ 69.5560, 68.5341,
104.1702

■ 83.7720, 86.0540,
106.8026

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



10.1066, 9.0378, 133.8252



20.0100, 9.0378, 95.2976



29.4749, 9.0378, 38.2937

Triad

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



20.0100, 9.0378, 95.2976



15.9524, 9.0378, 0.0000



0.7552, 9.0378, 14.5491

Complementary

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



20.0100, 9.0378, 95.2976



70.6183, 89.4584, 14.9835

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.



1.0213, 9.0378, 0.7514



20.0100, 9.0378, 95.2976



7.2336, 9.0378, 0.0000

Square

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



20.0100, 9.0378, 95.2976



26.3294, 9.0378, 0.0000



2.6347, 9.0378, 0.0000



1.4090, 9.0378, 58.7422

Rectangle

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



20.0100, 9.0378, 95.2976



32.3622, 9.0378, 13.2320



2.6347, 9.0378, 0.0000



0.7484, 9.0378, 7.0847

Sweetspot

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



20.0107, 9.0378, 95.2975



58.5293, 55.0061, 102.1402



48.8164, 67.8221, 105.1258



11.7013, 10.7633, 21.7108



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.



20.0107, 9.0378, 95.2975



18.3776, 7.3889, 95.0653



33.5951, 16.0408, 95.9333



17.1473, 17.4521, 22.7148



9.6519, 3.8862, 49.6760



0.9867, 0.4026, 4.8390

Inverse Universe

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



56.9204, 28.4020, 81.8202



55.9692, 27.1517, 79.4927



44.5644, 76.0271, 13.7642



18.7216, 18.2719, 22.4169



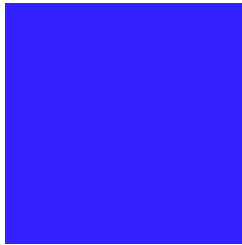
29.2730, 14.1985, 41.6837



2.8692, 1.3900, 4.1585

Previews

White Background



This preview shows how the XYZ color 20.0100, 9.0378, 95.2976 looks on a white background.

Color Contrast Check

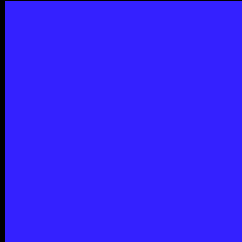
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0100, 9.0378, 95.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

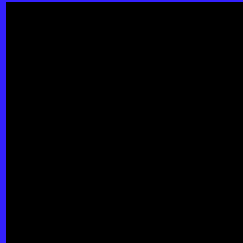
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0100, 9.0378, 95.2976

Background



This preview shows how black text looks on a background with the XYZ color 20.0100, 9.0378, 95.2976.



This preview shows how white text looks on a background with the XYZ color 20.0100, 9.0378,

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

20.0100, 9.0378, 95.2976

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.4422, 8.8300, 27.6450

Trichromacy



Original Color

20.0100, 9.0378, 95.2976

Protanomaly

12.6446, 8.0223, 56.1404

Deuteranomaly

10.9274, 7.6134, 46.2410

Monochromacy



Original Color

20.0100, 9.0378, 95.2976

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.3702, 5.2003, 22.8056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0100, 9.0378, 95.2976 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(52, 33, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 33, 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(52, 33, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 33, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.0100, 9.0378, 95.2976 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(52, 33, 255) }
```

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

```
.border{ border-color:rgb(52, 33, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 33, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 33, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 33, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 33,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 20.0100, 9.0378, 95.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 33, 255) }
```

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

```
.background{ background-color: rgb(52, 33,  
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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