

Converting Colors

XYZ(19.9267, 9.2712, 87.6720)

Have a look what the booklet for
XYZ(19.9267, 9.2712, 87.6720)
contains.

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Color

**XYZ(20.0131, 9.3320,
87.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	4924F6
RGB	73, 36, 246
RGB Percent	29%, 14%, 96%
CMY	0.7137, 0.8589, 0.0353
CMYK	0.70, 0.85, 0.00, 0.04
HSL	251°, 92%, 55%
HSV	251°, 85%, 96%
XYZ	20.0131, 9.3320, 87.9352
YIQ	71.0030, -45.3580, 73.1540

Conversions

Conversions Part 2

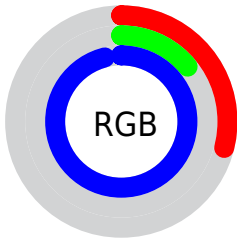
Format	Color
R _Y B	73, 36, 246
Decimal	4793590
CIE Lab	36.62, 70.67, -95.53
CIE LCh	37, 118.830, 306.491
Yxy	9.3320, 0.1706, 0.0796
Android (android.graphics.Color)	4282983670 (0xFF4924F6)
YUV	71.0030, 86.2735, 1.7514
Hunter-Lab	30.5483, 63.4810, -149.2860

Details

The XYZ color **20.0131, 9.3320, 87.9352** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **59.5634, 79.5916, 13.8919**, and the grayscale version is **5.8546, 6.1595, 6.7077**.

A 20% lighter version of the original color is **33.4681, 20.7219, 96.8435**, and **9.0771, 3.6308, 47.7994** is the 20% darker color. If you saturate the color by 10%, you get **18.2138, 7.6524, 87.7062**, and if you desaturate by 10%, it is **22.8239, 12.2896, 88.3583**.

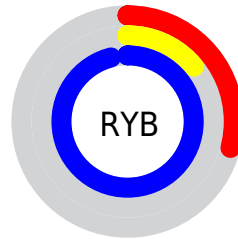
Distribution



Red (29%)

Green (14%)

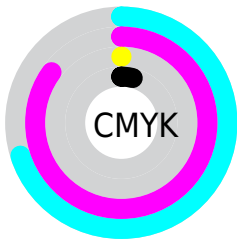
Blue (96%)



Red (29%)

Yellow (14%)

Blue (96%)

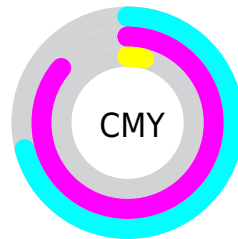


Cyan (70%)

Magenta (85%)

Yellow (0%)

Black (4%)



Cyan (71%)

Magenta (86%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0131, 9.3320, 87.9352 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 20.0131, 9.3320, 87.9352 by changing the saturation by 10% instead.

■ 20.0131, 9.3320,
87.9352

■ 20.0131, 9.3320,
87.9352

244.8182,
185.8356, 541.6868

■ 12.5129, 4.9584,
65.7054

■ 42.9429, 24.5312,
146.3773

■ 7.1687, 2.2229,
47.5783

■ 59.1032, 36.1256,
183.4266

■ 3.6151, 0.7324,
33.1354

■ 78.8810, 50.8957,
226.2529

■ 1.4868, 0.0000,
21.9583

■ 102.6415, 69.2259,
275.2746

■ 0.3168, 0.0000,
13.6282

■ 130.7501, 91.5006,
330.9103

■ 0.0000, 0.0000,
7.7267

■ 163.5722,

■ 0.0000, 0.0000,

118.1042, 393.5785

3.8353

201.4731,
149.4211, 463.6979

■ 0.0000, 0.0000,
1.5355

■ 0.0000, 0.0000,
0.2441

■ 20.0131, 9.3320,
87.9352

■ 20.0131, 9.3320,
87.9352

■ 18.2138, 7.6524,
87.7062

■ 22.8239, 12.2896,
88.3583

■ 17.6462, 7.1753,
87.6440

■ 26.7780, 16.7278,
89.0065

■ 31.9884, 22.8132,
89.9065

■ 38.5532, 30.6894,
91.0808

■ 46.5608, 40.4844,
92.5493

■ 56.0916, 52.3140,
94.3304

■ 67.2201, 66.2853,
96.4405

■ 80.0160, 82.4974,
98.8954

■ 93.6346, 99.4338,
101.4467

Harmonies

Analogous

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



10.5411, 9.3320, 123.8712



20.0131, 9.3320, 87.9352



28.7814, 9.3320, 35.8605

Triad

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



20.0131, 9.3320, 87.9352



15.6746, 9.3320, 0.0000



0.9772, 9.3320, 15.3762

Complementary

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



20.0131, 9.3320, 87.9352



59.5634, 79.5916, 13.8919

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.



1.2438, 9.3320, 1.1062



20.0131, 9.3320, 87.9352



7.3852, 9.3320, 0.0000

Square

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



20.0131, 9.3320, 87.9352



25.4633, 9.3320, 0.0000



2.8936, 9.3320, 0.0000



1.7195, 9.3320, 57.2080

Rectangle

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



20.0131, 9.3320, 87.9352



31.3324, 9.3320, 12.8061



2.8936, 9.3320, 0.0000



0.9628, 9.3320, 7.9077

Sweetspot

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



20.0138, 9.3321, 87.9355



60.1061, 55.8190, 102.2140



40.6560, 53.6169, 95.3954



12.0644, 10.9505, 21.7277



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.



20.0138, 9.3321, 87.9355



19.1300, 7.7768, 95.1005



35.1693, 17.1450, 88.6448



15.8535, 16.0671, 20.8083



9.5001, 3.8718, 46.7846



0.9098, 0.3789, 4.1154

Inverse Universe

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



50.1431, 25.4567, 62.5801



52.8790, 25.9156, 63.2204



39.2175, 69.1030, 12.9397



17.0809, 16.7152, 20.1726



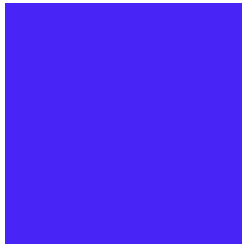
26.0638, 12.7689, 31.3737



2.3229, 1.1351, 2.9268

Previews

White Background



This preview shows how the XYZ color 20.0131, 9.3320, 87.9352 looks on a white background.

Color Contrast Check

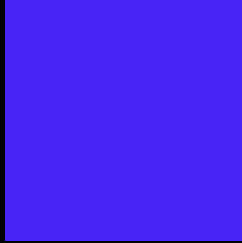
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0131, 9.3320, 87.9352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

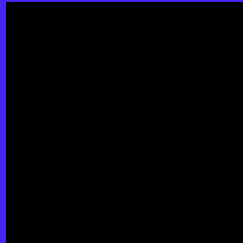
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0131, 9.3320, 87.9352

Background



This preview shows how black text looks on a background with the XYZ color 20.0131, 9.3320, 87.9352.



This preview shows how white text looks on a background with the XYZ color 20.0131, 9.3320,

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

20.0131, 9.3320, 87.9352

Protanopia

10.6361, 9.2036, 40.7511

Deuteranopia

8.7562, 9.0860, 28.8960



Tritanopia

6.4412, 9.1240, 13.7335

Trichromacy



Original Color

20.0131, 9.3320, 87.9352

Protanomaly

12.8255, 8.2996, 55.5696

Deuteranomaly

11.1274, 7.9082, 45.7397

Tritanomaly

8.7335, 7.4637, 31.5522

Monochromacy



Original Color

20.0131, 9.3320, 87.9352

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.5587, 6.1531, 23.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0131, 9.3320, 87.9352 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(73, 36, 246)` looks like.

```
.text, #text, p{  
    color:rgb(73, 36, 246)  
}
```

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(73, 36, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 36, 246) }
```

Border

The CSS property to change the border of an element to XYZ 20.0131, 9.3320, 87.9352 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(73, 36, 246) }
```


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

```
.border{ border-color:rgb(73, 36, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 36, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 36, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 36, 246);  
box-shadow:4px 4px 4px 4px rgb(73, 36,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0131, 9.3320, 87.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 36, 246) }
```

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

```
.background{ background-color: rgb(73, 36,  
246) }
```

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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