

Converting Colors

XYZ(20.0150, 9.2613, 95.3404)

Have a look what the booklet for
XYZ(20.0150, 9.2613, 95.3404)
contains.

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Color

**XYZ(20.0097, 9.2592,
95.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	3126FF
RGB	49, 38, 255
RGB Percent	19%, 15%, 100%
CMY	0.8078, 0.8510, 0.0000
CMYK	0.81, 0.85, 0.00, 0.00
HSL	243°, 100%, 57%
HSV	243°, 85%, 100%
XYZ	20.0097, 9.2592, 95.3403
YIQ	66.0270, -63.1010, 69.8190

Conversions

Conversions Part 2

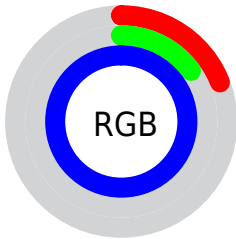
Format	Color
R _Y B	49, 38, 255
Decimal	3221247
CIE Lab	36.48, 71.24, -100.86
CIE LCh	36, 123.482, 305.236
Yxy	9.2592, 0.1606, 0.0743
Android (android.graphics.Color)	4281411327 (0xFF3126FF)
YUV	66.0270, 93.1637, -14.9327
Hunter-Lab	30.4289, 64.1288, -164.4679

Details

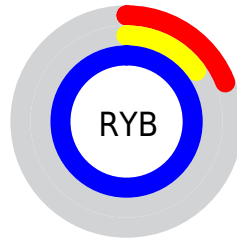
The XYZ color **20.0097, 9.2592, 95.3403** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **73.4092, 90.8885, 15.5073**, and the grayscale version is **5.0506, 5.3137, 5.7866**.

A 20% lighter version of the original color is **31.5500, 19.8608, 96.7784**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5839, 7.6994, 95.1144**, and if you desaturate by 10%, it is **22.6195, 12.2551, 95.7810**.

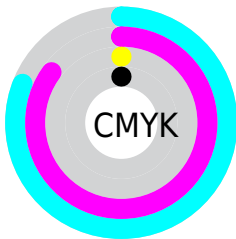
Distribution



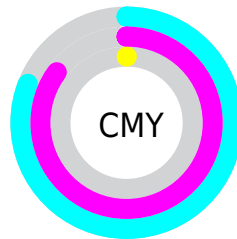
- Red (19%)
- Green (15%)
- Blue (100%)



- Red (19%)
- Yellow (15%)
- Blue (100%)



- Cyan (81%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0097, 9.2592, 95.3403 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 20.0097, 9.2592, 95.3403 by changing the saturation by 10% instead.


 20.0097, 9.2592,
95.3403


 20.0097, 9.2592,
95.3403


244.8002,
185.2999, 566.2660

 12.5104, 4.9106,
71.8198

 42.9373, 24.3925,
156.7343

 7.1669, 2.1949,
52.5255


 59.0962, 35.9460,
195.4448


 3.6140, 0.7172,
37.0390


 78.8725, 50.6699,
240.0558

 1.4862, 0.0000,
24.9417

 102.6314, 68.9487,
290.9857

 0.3164, 0.0000,
15.8150

 130.7382, 91.1667,
348.6532

 0.0000, 0.0000,
9.2404

 163.5584,

 0.0000, 0.0000,

117.7083, 413.4767

4.7994

201.4573,
148.9579, 485.8748

■ 0.0000, 0.0000,
2.0734

■ 0.0000, 0.0000,
0.5998

■ 20.0097, 9.2592,
95.3403

■ 20.0097, 9.2592,
95.3403

■ 18.5839, 7.6994,
95.1144

■ 22.6195, 12.2551,
95.7810

■ 18.2153, 7.3052,
95.0577

■ 26.5973, 16.9286,
96.4735

■ 32.0971, 23.4770,
97.4475

■ 39.2521, 32.0702,
98.7291

■ 48.1807, 42.8591,
100.3410

■ 58.9904, 55.9805,
102.3039

■ 71.7805, 71.5597,
104.6369

■ 86.6430, 89.7134,
107.3576

■ 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.



10.1824, 9.2592, 132.3552



20.0097, 9.2592, 95.3403



29.4470, 9.2592, 39.1393

Triad

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



20.0097, 9.2592, 95.3403



16.3235, 9.2592, 0.0000



0.8366, 9.2592, 14.3371

Complementary

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



20.0097, 9.2592, 95.3403



73.4092, 90.8885, 15.5073

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.



1.1287, 9.2592, 0.7809



20.0097, 9.2592, 95.3403



7.5498, 9.2592, 0.0000

Square

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



20.0097, 9.2592, 95.3403



26.6015, 9.2592, 0.0000



2.8293, 9.2592, 0.0000



1.4974, 9.2592, 57.5682

Rectangle

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



20.0097, 9.2592, 95.3403



32.3937, 9.2592, 13.9131



2.8293, 9.2592, 0.0000



0.8344, 9.2592, 7.0274

Sweetspot

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



20.0104, 9.2592, 95.3403



57.9387, 54.7017, 102.1125



51.2448, 72.4234, 105.8860



11.5659, 10.6935, 21.7044



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.



20.0104, 9.2592, 95.3403



18.2153, 7.3052, 95.0577



32.7153, 15.8088, 95.9349



17.0884, 17.4218, 22.7120



9.5531, 3.8353, 49.6714



0.9589, 0.3882, 4.8377

Inverse Universe

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



58.2582, 29.1759, 88.1287



57.2737, 27.6735, 86.3622



46.2057, 76.8646, 14.2342



18.7505, 18.2835, 22.5690



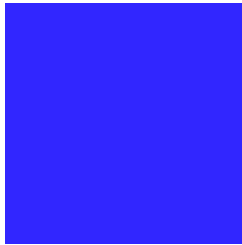
29.9441, 14.4669, 45.2177



2.9273, 1.4133, 4.4647

Previews

White Background



This preview shows how the XYZ color 20.0097, 9.2592, 95.3403 looks on a white background.

Color Contrast Check

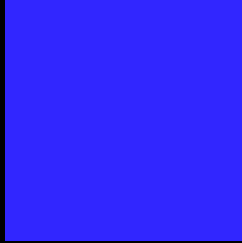
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0097, 9.2592, 95.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

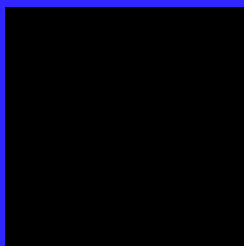
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0097, 9.2592, 95.3403

Background



This preview shows how black text looks on a background with the XYZ color 20.0097, 9.2592, 95.3403.



This preview shows how white text looks on a background with the XYZ color 20.0097, 9.2592,

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

20.0097, 9.2592, 95.3403

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.5965, 8.8917, 28.4573



Tritanopia

6.2548, 8.9063, 13.1938

Trichromacy



Original Color

20.0097, 9.2592, 95.3403

Protanomaly

12.8583, 8.2893, 56.7994

Deuteranomaly

11.2405, 7.9300, 47.3926

Tritanomaly

8.6990, 7.4265, 32.4275

Monochromacy



Original Color

20.0097, 9.2592, 95.3403

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.6508, 5.5383, 23.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0097, 9.2592, 95.3403 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(49, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 38, 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(49, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 38, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.0097, 9.2592, 95.3403 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(49, 38, 255) }
```


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

```
.border{ border-color:rgb(49, 38, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 38, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 38,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0097, 9.2592, 95.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 38, 255) }
```

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

```
.background{ background-color: rgb(49, 38,  
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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