

Converting Colors

XYZ(20.1076, 9.9177, 95.4615)

Have a look what the booklet for
XYZ(20.1076, 9.9177, 95.4615)
contains.

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Color

**XYZ(20.1032, 9.9089,
95.4608)**

Conversions

Conversions Part 1

Format	Color
Hex	2A31FF
RGB	42, 49, 255
RGB Percent	16%, 19%, 100%
CMY	0.8352, 0.8079, 0.0000
CMYK	0.84, 0.81, 0.00, 0.00
HSL	238°, 100%, 58%
HSV	238°, 84%, 100%
XYZ	20.1032, 9.9089, 95.4608
YIQ	70.3910, -70.2980, 62.5820

Conversions

Conversions Part 2

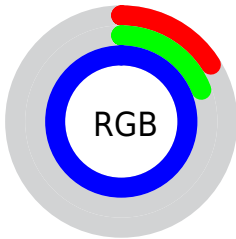
Format	Color
R _Y B	42, 49, 255
Decimal	2765311
CIE Lab	37.68, 66.53, -98.87
CIE LCh	38, 119.172, 303.938
Yxy	9.9089, 0.1602, 0.0790
Android (android.graphics.Color)	4280955391 (0xFF2A31FF)
YUV	70.3910, 91.0122, -24.8989
Hunter-Lab	31.4784, 58.9091, -157.7668

Details

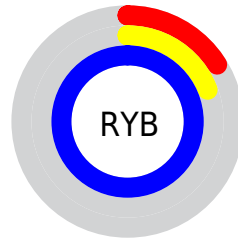
The XYZ color **20.1032, 9.9089, 95.4608** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **75.2347, 88.5800, 15.3251**, and the grayscale version is **5.7492, 6.0486, 6.5870**.

A 20% lighter version of the original color is **31.6604, 21.0015, 96.9927**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.6062, 8.0018, 95.1716**, and if you desaturate by 10%, it is **22.8270, 13.2842, 95.9687**.

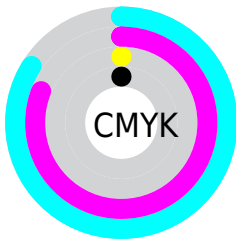
Distribution



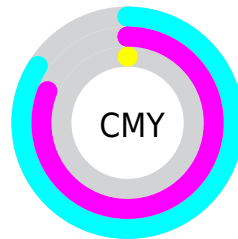
- Red (16%)
- Green (19%)
- Blue (100%)



- Red (16%)
- Yellow (19%)
- Blue (100%)



- Cyan (84%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1032, 9.9089, 95.4608 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 20.1032, 9.9089, 95.4608 by changing the saturation by 10% instead.

■ 20.1032, 9.9089,
95.4608

■ 20.1032, 9.9089,
95.4608

245.2962,
190.0206, 566.6611

■ 12.5788, 5.3386,
71.9196

■ 43.0928, 25.6240,
156.9021

■ 7.2141, 2.4473,
52.6065

■ 59.2886, 37.5376,
195.6393

■ 3.6439, 0.8500,
37.1032

■ 79.1057, 52.6678,
240.2788

■ 1.5027, 0.0000,
24.9910

■ 102.9093, 71.3989,
291.2393

■ 0.3277, 0.0000,
15.8514

■ 131.0647, 94.1153,
348.9392

■ 0.0000, 0.0000,
9.2658

■ 163.9375,

■ 0.0000, 0.0000,

121.2015, 413.7971

4.8158

201.8929,
153.0418, 486.2316

■ 0.0000, 0.0000,
2.0828

■ 0.0000, 0.0000,
0.6055

■ 20.1032, 9.9089,
95.4608

■ 20.1032, 9.9089,
95.4608

■ 18.6062, 8.0018,
95.1716

■ 22.8270, 13.2842,
95.9687

■ 18.1406, 7.4012,
95.0802

■ 26.9648, 18.3448,
96.7274

■ 32.6744, 25.2720,
97.7636

■ 40.0919, 34.2236,
99.1005

■ 49.3387, 45.3407,
100.7590

■ 60.5252, 58.7519,
102.7580

■ 73.7531, 74.5756,
105.1151

■ 89.1169, 92.9222,
107.8465

■ 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.



10.4533, 9.9089, 128.6556



20.1032, 9.9089, 95.4608



29.4729, 9.9089, 41.4125

Triad

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



20.1032, 9.9089, 95.4608



17.3677, 9.9089, 0.0000



1.0821, 9.9089, 13.9121

Complementary

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



20.1032, 9.9089, 95.4608



75.2347, 88.5800, 15.3251

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.



1.4609, 9.9089, 0.8813



20.1032, 9.9089, 95.4608



8.4536, 9.9089, 0.0000

Square

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



20.1032, 9.9089, 95.4608



27.3859, 9.9089, 0.0000



3.4057, 9.9089, 0.0000



1.7689, 9.9089, 54.7943

Rectangle

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



20.1032, 9.9089, 95.4608



32.5671, 9.9089, 15.8161



3.4057, 9.9089, 0.0000



1.0933, 9.9089, 6.9591

Sweetspot

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



20.1039, 9.9089, 95.4608



58.7433, 56.6177, 102.4400



53.6437, 78.7839, 101.1058



11.7059, 11.0789, 21.7714



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.



20.1039, 9.9089, 95.4608



18.1406, 7.4012, 95.0802



29.9336, 14.5766, 95.8436



17.0507, 17.4730, 22.7239



9.4995, 3.9085, 49.6883



0.9410, 0.4126, 4.8433

Inverse Universe

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



42.6231, 23.1393, 5.1250



41.2857, 21.2783, 2.1708



49.8135, 78.7165, 14.7611



18.0335, 17.9967, 18.7934



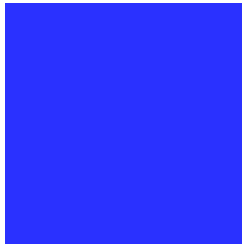
21.5831, 11.1225, 1.1891



2.1096, 1.0862, 0.1584

Previews

White Background



This preview shows how the XYZ color 20.1032, 9.9089, 95.4608 looks on a white background.

Color Contrast Check

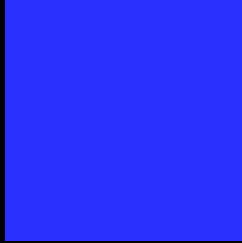
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1032, 9.9089, 95.4608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

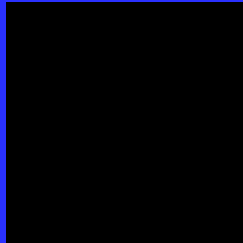
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1032, 9.9089, 95.4608

Background



This preview shows how black text looks on a background with the XYZ color 20.1032, 9.9089, 95.4608.



This preview shows how white text looks on a background with the XYZ color 20.1032, 9.9089,

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

20.1032, 9.9089, 95.4608

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.2421, 9.5467, 30.6337

Trichromacy



Original Color

20.1032, 9.9089, 95.4608

Protanomaly

13.4697, 9.0158, 58.7879

Deuteranomaly

11.8984, 8.8078, 49.2171

Monochromacy



Original Color

20.1032, 9.9089, 95.4608

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.1015, 6.2121, 24.4390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1032, 9.9089, 95.4608 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(42, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 49, 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(42, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 49, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.1032, 9.9089, 95.4608 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(42, 49, 255) }
```

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

```
.border{ border-color:rgb(42, 49, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 49, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 49,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 20.1032, 9.9089, 95.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 49, 255) }
```

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

```
.background{ background-color: rgb(42, 49,  
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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