

Converting Colors

XYZ(20.4223, 10.0120, 95.4639)

Have a look what the booklet for
XYZ(20.4223, 10.0120, 95.4639)
contains.

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Color

**XYZ(20.4223, 10.0120,
95.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	3230FF
RGB	50, 48, 255
RGB Percent	20%, 19%, 100%
CMY	0.8039, 0.8118, 0.0000
CMYK	0.80, 0.81, 0.00, 0.00
HSL	241°, 100%, 59%
HSV	241°, 81%, 100%
XYZ	20.4223, 10.0120, 95.4639
YIQ	72.1960, -65.2550, 64.8010

Conversions

Conversions Part 2

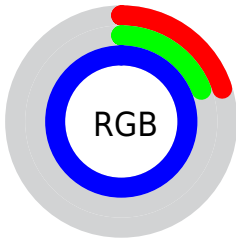
Format	Color
R _Y B	50, 48, 255
Decimal	3289343
CIE Lab	37.86, 67.30, -98.55
CIE LCh	38, 119.340, 304.329
Yxy	10.0120, 0.1622, 0.0795
Android (android.graphics.Color)	4281479423 (0xFF3230FF)
YUV	72.1960, 90.1224, -19.4659
Hunter-Lab	31.6417, 59.8349, -156.7301

Details

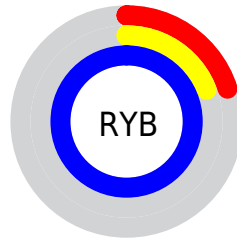
The XYZ color **20.4223, 10.0120, 95.4639** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **76.7930, 92.6117, 16.6242**, and the grayscale version is **6.0522, 6.3674, 6.9341**.

A 20% lighter version of the original color is **32.2800, 21.3209, 97.0217**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.7416, 8.0166, 95.1673**, and if you desaturate by 10%, it is **23.3879, 13.5571, 95.9918**.

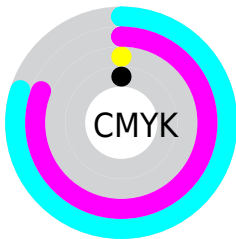
Distribution



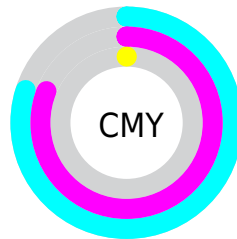
- Red (20%)
- Green (19%)
- Blue (100%)



- Red (20%)
- Yellow (19%)
- Blue (100%)



- Cyan (80%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4223, 10.0120, 95.4639 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 20.4223, 10.0120, 95.4639 by changing the saturation by 10% instead.


 20.4223, 10.0120,
95.4639


 20.4223, 10.0120,
95.4639

246.9824,
190.7577, 566.6713


 12.8124, 5.4069,
71.9221

 43.6226, 25.8181,
156.9064

 7.3756, 2.4879,
52.6086


 59.9438, 37.7878,
195.6443


 3.7465, 0.8706,
37.1048


 79.8995, 52.9813,
240.2845

 1.5597, 0.0000,
24.9922

 103.8550, 71.7828,
291.2458

 0.3660, 0.0000,
15.8523

 132.1757, 94.5769,
348.9465

 0.0000, 0.0000,
9.2665

 165.2269,

 0.0000, 0.0000,

121.7477, 413.8053

4.8162

203.3740,
153.6799, 486.2407

■ 0.0000, 0.0000,
2.0830

■ 0.0000, 0.0000,
0.6056

■ 20.4223, 10.0120,
95.4639

■ 20.4223, 10.0120,
95.4639

■ 18.7416, 8.0166,
95.1673

■ 23.3879, 13.5571,
95.9918

■ 18.0812, 7.2361,
95.0515

■ 27.8245, 18.8818,
96.7858

■ 33.8902, 26.1778,
97.8744

■ 41.7219, 35.6124,
99.2826

■ 51.4425, 47.3348,
101.0330

■ 63.1636, 61.4810,
103.1457

■ 76.9883, 78.1763,
105.6396

■ 93.0124, 97.5375,
108.5321

■ 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.



10.6674, 10.0120, 129.4399



20.4223, 10.0120, 95.4639



29.8155, 10.0120, 41.1222

Triad

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



20.4223, 10.0120, 95.4639



17.3935, 10.0120, 0.0000



1.1022, 10.0120, 14.3915

Complementary

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



20.4223, 10.0120, 95.4639



76.7930, 92.6117, 16.6242

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.



1.4713, 10.0120, 0.9498



20.4223, 10.0120, 95.4639



8.4508, 10.0120, 0.0000

Square

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



20.4223, 10.0120, 95.4639



27.5060, 10.0120, 0.0000



3.4077, 10.0120, 0.0000



1.8140, 10.0120, 55.9264

Rectangle

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



20.4223, 10.0120, 95.4639



32.8612, 10.0120, 15.6036



3.4077, 10.0120, 0.0000



1.1093, 10.0120, 7.2537

Sweetspot

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



20.4230, 10.0121, 95.4638



59.6478, 57.2367, 102.5118



55.0287, 79.3683, 107.0270



11.8672, 11.1650, 21.7795



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.



20.4230, 10.0121, 95.4638



18.2591, 7.4510, 95.0836



31.9618, 15.9605, 96.0039



17.0195, 17.3862, 22.7088



9.4549, 3.7847, 49.6668



0.9261, 0.3713, 4.8361

Inverse Universe

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



60.0227, 30.4639, 95.6257



58.9862, 28.4913, 94.9707



49.1484, 78.3604, 15.3304



18.7846, 18.2972, 22.7488



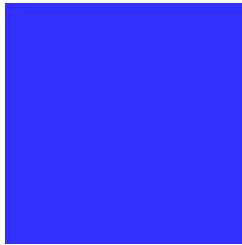
30.7755, 14.7995, 49.5957



2.9989, 1.4419, 4.8415

Previews

White Background



This preview shows how the XYZ color 20.4223, 10.0120, 95.4639 looks on a white background.

Color Contrast Check

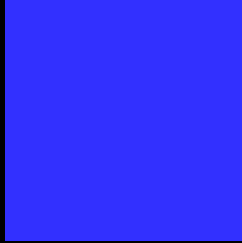
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4223, 10.0120, 95.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

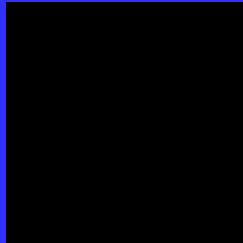
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4223, 10.0120, 95.4639

Background



This preview shows how black text looks on a background with the XYZ color 20.4223, 10.0120, 95.4639.



This preview shows how white text looks on a background with the XYZ color 20.4223, 10.0120,

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

20.4223, 10.0120, 95.4639

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.4086, 9.7492, 31.0917



Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

20.4223, 10.0120, 95.4639

Protanomaly

13.7074, 9.2196, 59.4496

Deuteranomaly

11.9508, 8.8349, 49.2195

Tritanomaly

9.2897, 8.3345, 33.4669

Monochromacy



Original Color

20.4223, 10.0120, 95.4639

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.5521, 6.5091, 25.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4223, 10.0120, 95.4639 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(50, 48, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 48, 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(50, 48, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 48, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.4223, 10.0120, 95.4639 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(50, 48, 255) }
```


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

```
.border{ border-color:rgb(50, 48, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 48, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 48, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 48, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 48,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4223, 10.0120, 95.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 48, 255) }
```

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

```
.background{ background-color: rgb(50, 48,  
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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