

Converting Colors

XYZ(19.9830, 10.3126, 95.5450)

Have a look what the booklet for
XYZ(19.9830, 10.3126, 95.5450)
contains.

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Color

**XYZ(19.9996, 10.3244,
95.5464)**

Conversions

Conversions Part 1

Format	Color
Hex	1E38FF
RGB	30, 56, 255
RGB Percent	12%, 22%, 100%
CMY	0.8822, 0.7804, 0.0000
CMYK	0.88, 0.78, 0.00, 0.00
HSL	233°, 100%, 56%
HSV	233°, 88%, 100%
XYZ	19.9996, 10.3244, 95.5464
YIQ	70.9120, -79.3750, 56.3770

Conversions

Conversions Part 2

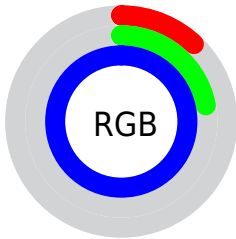
Format	Color
R _Y B	30, 53, 255
Decimal	1980671
CIE Lab	38.42, 62.83, -97.65
CIE LCh	38, 116.118, 302.758
Yxy	10.3244, 0.1589, 0.0820
Android (android.graphics.Color)	4280170751 (0xFF1E38FF)
YUV	70.9120, 90.7554, -35.8798
Hunter-Lab	32.1316, 54.8730, -153.8124

Details

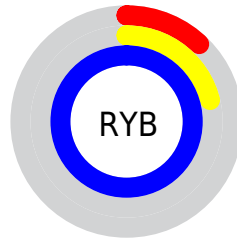
The XYZ color **19.9996, 10.3244, 95.5464** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **69.5042, 77.4127, 12.5094**, and the grayscale version is **5.8376, 6.1416, 6.6883**.

A 20% lighter version of the original color is **31.5162, 21.8132, 97.1570**, and **10.1323, 4.1398, 53.0883** is the 20% darker color. If you saturate the color by 10%, you get **18.6629, 8.3615, 95.2380**, and if you desaturate by 10%, it is **22.4187, 13.5750, 96.0464**.

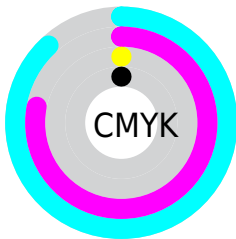
Distribution



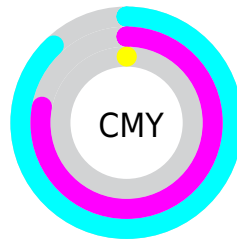
- Red (12%)
- Green (22%)
- Blue (100%)



- Red (12%)
- Yellow (21%)
- Blue (100%)



- Cyan (88%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9996, 10.3244, 95.5464 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 19.9996, 10.3244, 95.5464 by changing the saturation by 10% instead.

■ 19.9996, 10.3244,
95.5464

■ 19.9996, 10.3244,
95.5464

244.7466,
192.9719, 566.9417

■ 12.5030, 5.6146,
71.9904

■ 42.9205, 26.4039,
157.0213

■ 7.1619, 2.6122,
52.6641

■ 59.0754, 38.5424,
195.7774

■ 3.6108, 0.9328,
37.1488

■ 78.8473, 53.9258,
240.4372

■ 1.4844, 0.0000,
25.0260

■ 102.6013, 72.9387,
291.4193

■ 0.3152, 0.0000,
15.8772

■ 130.7029, 95.9653,
349.1423

■ 0.0000, 0.0000,
9.2839

■ 163.5174,

■ 0.0000, 0.0000,

123.3902, 414.0246

4.8275

201.4102,
155.5976, 486.4849

■ 0.0000, 0.0000,
2.0894

■ 0.0000, 0.0000,
0.6095

■ 19.9996, 10.3244,
95.5464

■ 19.9996, 10.3244,
95.5464

■ 18.6629, 8.3615,
95.2380

■ 22.4187, 13.5750,
96.0464

■ 18.5000, 8.1199,
95.2000

■ 26.1105, 18.2995,
96.7637

■ 31.2233, 24.6489,
97.7198

■ 37.8843, 32.7551,
98.9334

■ 46.2060, 42.7364,
100.4214

■ 56.2908, 54.7006,
102.1992

■ 68.2325, 68.7473,
104.2811

■ 82.1182, 84.9696,
106.6804

■ 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.



10.5311, 10.3244, 125.7017



19.9996, 10.3244, 95.5464



29.3097, 10.3244, 43.2142

Triad

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



19.9996, 10.3244, 95.5464



18.1100, 10.3244, 0.0000



1.2678, 10.3244, 13.3719

Complementary

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



19.9996, 10.3244, 95.5464



69.5042, 77.4127, 12.5094

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.



1.7221, 10.3244, 0.9149



19.9996, 10.3244, 95.5464



9.1283, 10.3244, 0.0000

Square

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



19.9996, 10.3244, 95.5464



27.8792, 10.3244, 0.2383



3.8510, 10.3244, 0.0000



1.9514, 10.3244, 52.3250

Rectangle

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



19.9996, 10.3244, 95.5464



32.5325, 10.3244, 17.3665



3.8510, 10.3244, 0.0000



1.2934, 10.3244, 6.7582

Sweetspot

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



20.0003, 10.3245, 95.5464



58.7813, 57.6392, 102.6351



50.4049, 77.4399, 86.2394



11.7594, 11.3665, 21.8241



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.



20.0003, 10.3245, 95.5464



18.5000, 8.1199, 95.2000



25.7535, 11.8817, 95.5438



17.1718, 17.7152, 22.7643



9.7198, 4.3492, 49.7618



0.9982, 0.5270, 4.8624

Inverse Universe

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



42.4188, 22.4757, 5.8434



41.4671, 21.3508, 3.1260



52.3060, 80.0227, 13.9196



18.0946, 18.0212, 19.1154



21.6943, 11.1670, 1.7747



2.1384, 1.0977, 0.3105

Previews

White Background



This preview shows how the XYZ color 19.9996, 10.3244, 95.5464 looks on a white background.

Color Contrast Check

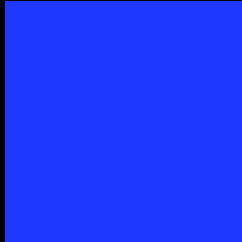
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9996, 10.3244, 95.5464 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 19.9996, 10.3244, 95.5464

Background



This preview shows how black text looks on a background with the XYZ color 19.9996, 10.3244, 95.5464.



This preview shows how white text looks on a background with the XYZ color 19.9996, 10.3244,

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

19.9996, 10.3244, 95.5464

Protanopia

11.6683, 9.9918, 45.0297

Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

19.9996, 10.3244, 95.5464

Protanomaly

14.0393, 9.6574, 60.7986

Tritanomaly

9.4893, 8.7609, 33.9918

Monochromacy



Original Color

19.9996, 10.3244, 95.5464

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.1665, 6.5722, 24.8829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9996, 10.3244, 95.5464 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(30, 56, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 56, 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(30, 56, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 56, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.9996, 10.3244, 95.5464 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(30, 56, 255) }
```

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

```
.border{ border-color:rgb(30, 56, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 56, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 56, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 56, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 56,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 19.9996, 10.3244, 95.5464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 56, 255) }
```

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

```
.background{ background-color: rgb(30, 56,  
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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