

Converting Colors

XYZ(20.3671, 10.0126, 95.4669)

Have a look what the booklet for
XYZ(20.3671, 10.0126, 95.4669)
contains.

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Color

**XYZ(20.3259, 9.9623,
95.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	3030FF
RGB	48, 48, 255
RGB Percent	19%, 19%, 100%
CMY	0.8117, 0.8118, 0.0000
CMYK	0.81, 0.81, 0.00, 0.00
HSL	240°, 100%, 59%
HSV	240°, 81%, 100%
XYZ	20.3259, 9.9623, 95.4594
YIQ	71.5980, -66.4470, 64.3770

Conversions

Conversions Part 2

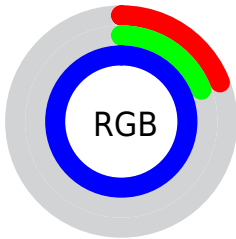
Format	Color
R_{YB}	48, 48, 255
Decimal	3158271
CIE _{Lab}	37.77, 67.21, -98.70
CIE _{LCh}	38, 119.416, 304.254
Yxy	9.9623, 0.1616, 0.0792
Android (android.graphics.Color)	4281348351 (0xFF3030FF)
YUV	71.5980, 90.4172, -20.6954
Hunter-Lab	31.5631, 59.7143, -157.2224

Details

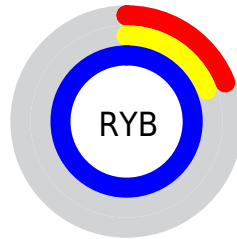
The XYZ color **20.3259, 9.9623, 95.4594** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **77.5240, 92.9885, 16.6584**, and the grayscale version is **5.9508, 6.2607, 6.8179**.

A 20% lighter version of the original color is **32.1229, 21.2399, 97.0144**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.6890, 7.9895, 95.1648**, and if you desaturate by 10%, it is **23.2522, 13.4871, 95.9855**.

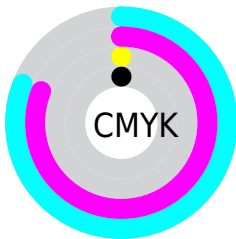
Distribution



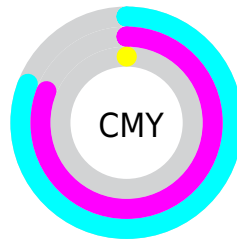
- Red (19%)
- Green (19%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3259, 9.9623, 95.4594 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 20.3259, 9.9623, 95.4594 by changing the saturation by 10% instead.


 20.3259, 9.9623,
95.4594


 20.3259, 9.9623,
95.4594


246.4741,
190.4028, 566.6565


 12.7418, 5.3740,
71.9184


 43.4627, 25.7246,
156.9002

 7.3268, 2.4683,
52.6056


 59.7461, 37.6673,
195.6370


 3.7154, 0.8607,
37.1024


 79.6600, 52.8303,
240.2762

 1.5424, 0.0000,
24.9904

 103.5697, 71.5979,
291.2363

 0.3544, 0.0000,
15.8510

 131.8406, 94.3546,
348.9358

 0.0000, 0.0000,
9.2655

 164.8381,

 0.0000, 0.0000,

121.4847, 413.7934

4.8156

202.9274,
153.3726, 486.2274

■ 0.0000, 0.0000,
2.0826

■ 0.0000, 0.0000,
0.6054

■ 20.3259, 9.9623,
95.4594

■ 20.3259, 9.9623,
95.4594

■ 18.6890, 7.9895,
95.1648

■ 23.2522, 13.4871,
95.9855

■ 18.0504, 7.2202,
95.0500

■ 27.6585, 18.7961,
96.7780

■ 33.7060, 26.0829,
97.8657

■ 41.5346, 35.5158,
99.2739

■ 51.2691, 47.2454,
101.0248

■ 63.0232, 61.4085,
103.1391

■ 76.9016, 78.1316,
105.6355

■ 93.0019, 97.5320,
108.5316

■ 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.



10.5964, 9.9623, 129.3175



20.3259, 9.9623, 95.4594



29.7143, 9.9623, 41.1395

Triad

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



20.3259, 9.9623, 95.4594



17.3549, 9.9623, 0.0000



1.0885, 9.9623, 14.2627

Complementary

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



20.3259, 9.9623, 95.4594



77.5240, 92.9885, 16.6584

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.



1.4577, 9.9623, 0.9268



20.3259, 9.9623, 95.4594



8.4243, 9.9623, 0.0000

Square

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



20.3259, 9.9623, 95.4594



27.4477, 9.9623, 0.0000



3.3893, 9.9623, 0.0000



1.7923, 9.9623, 55.6743

Rectangle

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



20.3259, 9.9623, 95.4594



32.7699, 9.9623, 15.6080



3.3893, 9.9623, 0.0000



1.0963, 9.9623, 7.1688

Sweetspot

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



20.3266, 9.9623, 95.4593



59.4961, 57.1585, 102.5047



55.0287, 79.3683, 107.0270



11.8322, 11.1469, 21.7779



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.



20.3266, 9.9623, 95.4593



18.2292, 7.4356, 95.0822



31.9617, 15.9605, 96.0039



17.0033, 17.3779, 22.7081



9.4318, 3.7728, 49.6657



0.9184, 0.3674, 4.8358

Inverse Universe

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



60.3426, 30.5918, 97.3106



59.3681, 28.6441, 96.9818



49.1484, 78.3604, 15.3304



18.7927, 18.3004, 22.7913



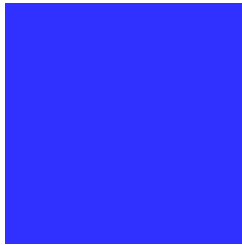
30.9777, 14.8804, 50.6604



3.0162, 1.4489, 4.9328

Previews

White Background



This preview shows how the XYZ color 20.3259, 9.9623, 95.4594 looks on a white background.

Color Contrast Check

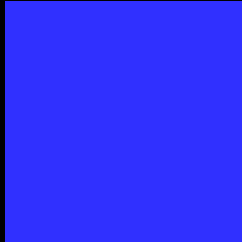
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3259, 9.9623, 95.4594 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 20.3259, 9.9623, 95.4594

Background



This preview shows how black text looks on a background with the XYZ color 20.3259, 9.9623, 95.4594.



This preview shows how white text looks on a background with the XYZ color 20.3259, 9.9623,

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

20.3259, 9.9623, 95.4594

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.2421, 9.5467, 30.6337



Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

20.3259, 9.9623, 95.4594

Protanomaly

13.6891, 9.2101, 59.4488

Deuteranomaly

11.9326, 8.8254, 49.2187

Tritanomaly

9.2714, 8.3251, 33.4660

Monochromacy



Original Color

20.3259, 9.9623, 95.4594

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.4876, 6.4759, 25.2287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3259, 9.9623, 95.4594 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(48, 48, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 20.3259, 9.9623, 95.4594 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(48, 48, 255) }
```


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

```
.border{ border-color:rgb(48, 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(48, 48, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 20.3259, 9.9623, 95.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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