

Converting Colors

XYZ(20.4452, 8.8367, 95.2358)

Have a look what the booklet for
XYZ(20.4452, 8.8367, 95.2358)
contains.

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Color

**XYZ(20.4145, 8.8103,
95.2323)**

Conversions

Conversions Part 1

Format	Color
Hex	4014FF
RGB	64, 20, 255
RGB Percent	25%, 8%, 100%
CMY	0.7490, 0.9216, 0.0000
CMYK	0.75, 0.92, 0.00, 0.00
HSL	251°, 100%, 54%
HSV	251°, 92%, 100%
XYZ	20.4145, 8.8103, 95.2323
YIQ	59.9460, -49.2110, 82.4130

Conversions

Conversions Part 2

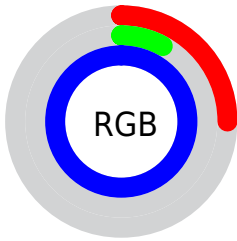
Format	Color
R _Y B	64, 20, 255
Decimal	4199679
CIE Lab	35.62, 76.95, -102.27
CIE LCh	36, 127.988, 306.958
Yxy	8.8103, 0.1640, 0.0708
Android (android.graphics.Color)	4282389759 (0xFF4014FF)
YUV	59.9460, 96.1616, 3.5554
Hunter-Lab	29.6821, 70.8232, -169.4487

Details

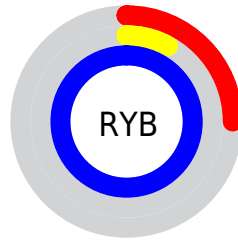
The XYZ color **20.4145, 8.8103, 95.2323** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **62.7422, 85.4153, 13.8411**, and the grayscale version is **4.1634, 4.3802, 4.7700**.

A 20% lighter version of the original color is **32.2226, 19.0054, 96.5778**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.2582, 7.8428, 95.1065**, and if you desaturate by 10%, it is **22.7296, 11.0532, 95.5432**.

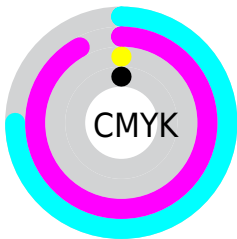
Distribution



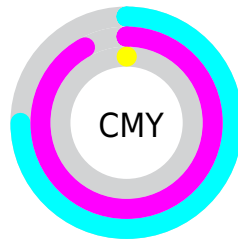
- Red (25%)
- Green (8%)
- Blue (100%)



- Red (25%)
- Yellow (8%)
- Blue (100%)



- Cyan (75%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4145, 8.8103, 95.2323 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 20.4145, 8.8103, 95.2323 by changing the saturation by 10% instead.

 20.4145, 8.8103,
95.2323


 20.4145, 8.8103,
95.2323

246.9413,
181.9564, 565.9117


 12.8067, 4.6177,
71.7304


 43.6097, 23.5323,
156.5838


 7.3717, 2.0247,
52.4530


 59.9278, 34.8305,
195.2705

 3.7440, 0.6218,
36.9815


 79.8801, 49.2659,
239.8559

 1.5583, 0.0000,
24.8975

 103.8319, 67.2231,
290.7585

 0.3650, 0.0000,
15.7824

 132.1486, 89.0863,
348.3968

 0.0000, 0.0000,
9.2176

 165.1955,

 0.0000, 0.0000,

115.2400, 413.1894

4.7846

203.3379,
146.0685, 485.5549

0.0000, 0.0000,
2.0649

0.0000, 0.0000,
0.5948

20.4145, 8.8103,
95.2323

20.4145, 8.8103,
95.2323

19.2582, 7.8428,
95.1065

22.7296, 11.0532,
95.5432

26.1823, 14.7560,
96.0760

30.9086, 20.1244,
96.8631

37.0236, 27.3302,
97.9316

■ 44.6290, 36.5233,
99.3052

■ 53.8167, 47.8381,
101.0050

■ 64.6710, 61.3972,
103.0501

■ 77.2701, 77.3136,
105.4582

■ 91.6872, 95.6929,
108.2459

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.2495, 8.8103, 137.2368



20.4145, 8.8103, 95.2323



29.9550, 8.8103, 36.6224

Triad

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



20.4145, 8.8103, 95.2323



15.3996, 8.8103, 0.0000



0.6463, 8.8103, 15.5313

Complementary

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



20.4145, 8.8103, 95.2323



62.7422, 85.4153, 13.8411

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.



0.8729, 8.8103, 0.7909



20.4145, 8.8103, 95.2323



6.7423, 8.8103, 0.0000

Square

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



20.4145, 8.8103, 95.2323



26.0438, 8.8103, 0.0000



2.3438, 8.8103, 0.0000



1.3209, 8.8103, 62.1958

Rectangle

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



20.4145, 8.8103, 95.2323



32.6830, 8.8103, 11.9610



2.3438, 8.8103, 0.0000



0.6277, 8.8103, 7.5600

Sweetspot

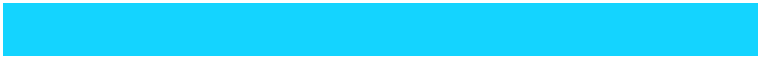
The Sweet Spot groups the original color and five complimentary colors.



20.4152, 8.8103, 95.2323



58.1272, 53.2021, 101.8131



41.8603, 54.4127, 102.9042



11.4862, 10.1986, 21.6131



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.



20.4152, 8.8103, 95.2323



19.2582, 7.8428, 95.1065



37.2574, 17.4928, 96.0205



17.3205, 17.5414, 22.7229



10.1531, 4.1446, 49.6994



1.0691, 0.4451, 4.8428

Inverse Universe

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



53.2443, 26.4616, 63.9112



52.5304, 25.7762, 61.3845



40.5442, 73.9718, 12.8023



18.6381, 18.2386, 21.9774



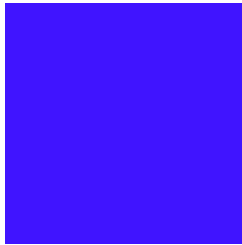
27.5006, 13.4895, 32.3504



2.7136, 1.3278, 3.3393

Previews

White Background



This preview shows how the XYZ color 20.4145, 8.8103, 95.2323 looks on a white background.

Color Contrast Check

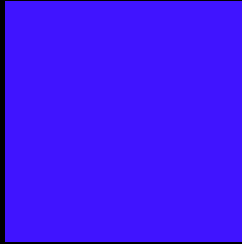
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4145, 8.8103, 95.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

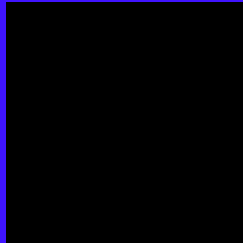
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4145, 8.8103, 95.2323

Background



This preview shows how black text looks on a background with the XYZ color 20.4145, 8.8103, 95.2323.



This preview shows how white text looks on a background with the XYZ color 20.4145, 8.8103,

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

20.4145, 8.8103, 95.2323

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.2857, 8.6387, 27.2173



Tritanopia

6.0720, 8.6918, 12.6669

Trichromacy



Original Color

20.4145, 8.8103, 95.2323

Protanomaly

12.2917, 7.3784, 55.4199

Deuteranomaly

10.7277, 7.0881, 46.1501

Tritanomaly

8.1343, 6.4117, 31.3807

Monochromacy



Original Color

20.4145, 8.8103, 95.2323

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.9596, 4.5076, 21.9760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4145, 8.8103, 95.2323 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(64, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 20, 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(64, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 20, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.4145, 8.8103, 95.2323 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(64, 20, 255) }
```


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

```
.border{ border-color:rgb(64, 20, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 20,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4145, 8.8103, 95.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 20, 255) }
```

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

```
.background{ background-color: rgb(64, 20,  
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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