

Converting Colors

XYZ(20.9609, 8.8495, 95.2111)

Have a look what the booklet for
XYZ(20.9609, 8.8495, 95.2111)
contains.

XYZ(20.9609, 8.8495, 95.2111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9609, 8.8495,
95.2111)**

Conversions

Conversions Part 1

Format	Color
Hex	4A08FF
RGB	74, 8, 255
RGB Percent	29%, 3%, 100%
CMY	0.7098, 0.9687, 0.0000
CMYK	0.71, 0.97, 0.00, 0.00
HSL	256°, 100%, 52%
HSV	256°, 97%, 100%
XYZ	20.9609, 8.8495, 95.2111
YIQ	55.8920, -39.9510, 90.8090

Conversions

Conversions Part 2

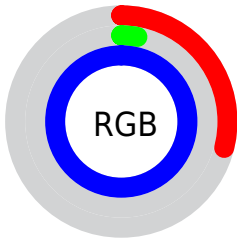
Format	Color
R_{YB}	74, 8, 255
Decimal	4851967
CIE Lab	35.69, 79.27, -102.13
CIE LCh	36, 129.280, 307.818
Yxy	8.8495, 0.1677, 0.0708
Android (android.graphics.Color)	4283042047 (0xFF4A08FF)
YUV	55.8920, 98.1602, 15.8807
Hunter-Lab	29.7481, 73.7142, -168.9385

Details

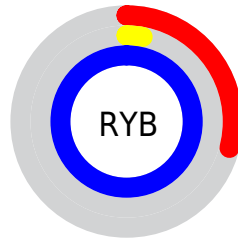
The XYZ color **20.9609, 8.8495, 95.2111** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **56.7812, 82.3518, 13.1319**, and the grayscale version is **3.6263, 3.8152, 4.1547**.

A 20% lighter version of the original color is **33.1688, 19.0583, 96.5382**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.4456, 8.4550, 95.1621**, and if you desaturate by 10%, it is **23.0907, 10.6457, 95.4456**.

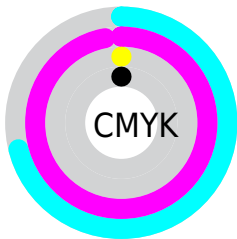
Distribution



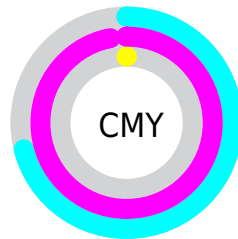
- Red (29%)
- Green (3%)
- Blue (100%)



- Red (29%)
- Yellow (3%)
- Blue (100%)



- Cyan (71%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9609, 8.8495, 95.2111 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 20.9609, 8.8495, 95.2111 by changing the saturation by 10% instead.

 20.9609, 8.8495,
95.2111


 20.9609, 8.8495,
95.2111


249.8063,
182.2512, 565.8422


 13.2077, 4.6431,
71.7128


 44.5142, 23.6077,
156.5543


 7.6497, 2.0394,
52.4387


 61.0451, 34.9284,
195.2363


 3.9216, 0.6302,
36.9702


 81.2325, 49.3893,
239.8167

 1.6578, 0.0000,
24.8888

 105.4419, 67.3749,
290.7139

 0.4297, 0.0000,
15.7760

 134.0387, 89.2694,
348.3465


 0.0000, 0.0000,
9.2131


 167.3881,


 0.0000, 0.0000,


115.4574, 413.1330


4.7818


 205.8555,
146.3232, 485.4921


 0.0000, 0.0000,
2.0633


 0.0000, 0.0000,
0.5938


 20.9609, 8.8495,
95.2111


 20.9609, 8.8495,
95.2111

 20.4456, 8.4550,
95.1621

 23.0907, 10.6457,
95.4456

 26.2162, 13.7498,
95.8800

 30.4730, 18.3858,
96.5504

 35.9715, 24.7326,
97.4857

■ 42.8078, 32.9437,
98.7103

■ 51.0678, 43.1550,
100.2459

■ 60.8300, 55.4894,
102.1122

■ 72.1669, 70.0598,
104.3270

■ 85.1461, 86.9711,
106.9072

Harmonies

Analogous

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



10.5641, 8.8495, 139.4683



20.9609, 8.8495, 95.2111



30.5571, 8.8495, 35.7185

Triad

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



20.9609, 8.8495, 95.2111



15.2381, 8.8495, 0.0000



0.6291, 8.8495, 16.5390

Complementary

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



20.9609, 8.8495, 95.2111



56.7812, 82.3518, 13.1319

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.



0.8333, 8.8495, 0.8900



20.9609, 8.8495, 95.2111



6.5726, 8.8495, 0.0000

Square

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



20.9609, 8.8495, 95.2111



26.0879, 8.8495, 0.0000



2.2490, 8.8495, 0.0000



1.3367, 8.8495, 64.9918

Rectangle

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



20.9609, 8.8495, 95.2111



33.1634, 8.8495, 11.3216



2.2490, 8.8495, 0.0000



0.6020, 8.8495, 8.1259

Sweetspot

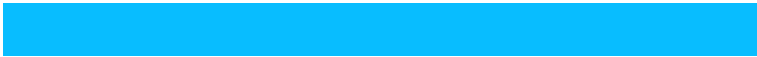
The Sweet Spot groups the original color and five complimentary colors.



20.9616, 8.8495, 95.2111



58.6227, 52.6805, 101.6863



36.3749, 43.7215, 101.1297



11.6462, 10.1352, 21.5924



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.



20.9616, 8.8495, 95.2111



20.4456, 8.4550, 95.1621



41.2573, 19.3123, 96.1609



17.4584, 17.6126, 22.7294



10.8031, 4.4797, 49.7299



1.1502, 0.4869, 4.8466

Inverse Universe

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



50.5081, 25.1058, 50.3079



50.1917, 24.8407, 49.0689



38.0247, 72.6824, 12.2541



18.5732, 18.2126, 21.6356



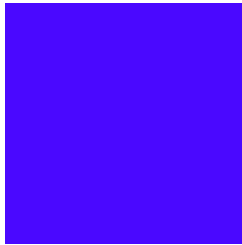
26.2916, 13.0059, 25.9836



2.6053, 1.2845, 2.7692

Previews

White Background



This preview shows how the XYZ color 20.9609, 8.8495, 95.2111 looks on a white background.

Color Contrast Check

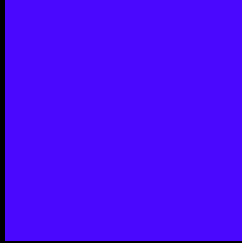
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9609, 8.8495, 95.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

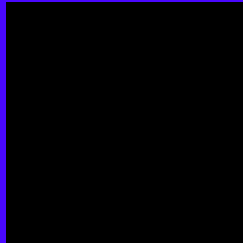
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9609, 8.8495, 95.2111

Background



This preview shows how black text looks on a background with the XYZ color 20.9609, 8.8495, 95.2111.



This preview shows how white text looks on a background with the XYZ color 20.9609, 8.8495,

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

20.9609, 8.8495, 95.2111

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.5190, 8.8607, 28.0494



Tritanopia

6.1665, 8.7296, 13.1643

Trichromacy



Original Color

20.9609, 8.8495, 95.2111

Protanomaly

12.3138, 7.0884, 55.9775

Deuteranomaly

10.7220, 6.7619, 46.6390

Tritanomaly

8.1754, 6.0786, 32.1949

Monochromacy



Original Color

20.9609, 8.8495, 95.2111

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.6717, 4.0663, 20.8553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9609, 8.8495, 95.2111 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(74, 8, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 8, 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(74, 8, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 8, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.9609, 8.8495, 95.2111 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(74, 8, 255) }
```


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

```
.border{ border-color:rgb(74, 8, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 8, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 8, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 8, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 8, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9609, 8.8495, 95.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 8, 255) }
```

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

```
.background{ background-color: rgb(74, 8,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor