

Converting Colors

XYZ(21.4305, 9.3315, 95.2794)

Have a look what the booklet for
XYZ(21.4305, 9.3315, 95.2794)
contains.

XYZ(21.4420, 9.3400, 95.2804)	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(21.4420, 9.3400,
95.2804)**

Conversions

Conversions Part 1

Format	Color
Hex	4E14FF
RGB	78, 20, 255
RGB Percent	31%, 8%, 100%
CMY	0.6941, 0.9216, 0.0000
CMYK	0.69, 0.92, 0.00, 0.00
HSL	255°, 100%, 54%
HSV	255°, 92%, 100%
XYZ	21.4420, 9.3400, 95.2804
YIQ	64.1320, -40.8670, 85.3810

Conversions

Conversions Part 2

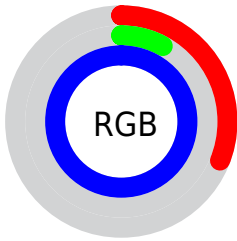
Format	Color
R_{YB}	78, 20, 255
Decimal	5117183
CIE _{Lab}	36.63, 77.52, -100.56
CIE _{LCh}	37, 126.968, 307.629
Yxy	9.3400, 0.1701, 0.0741
Android (android.graphics.Color)	4283307263 (0xFF4E14FF)
YUV	64.1320, 94.0979, 12.1622
Hunter-Lab	30.5614, 71.7538, -163.4537

Details

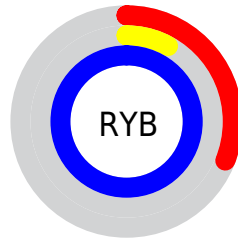
The XYZ color **21.4420, 9.3400, 95.2804** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **58.9062, 83.4377, 13.6617**, and the grayscale version is **4.7609, 5.0089, 5.4547**.

A 20% lighter version of the original color is **33.9058, 19.9858, 96.6784**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.0972, 8.2754, 95.1458**, and if you desaturate by 10%, it is **23.9598, 11.6875, 95.6008**.

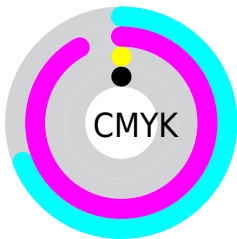
Distribution



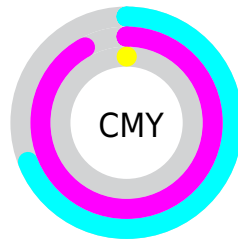
- Red (31%)
- Green (8%)
- Blue (100%)



- Red (31%)
- Yellow (8%)
- Blue (100%)



- Cyan (69%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4420, 9.3400, 95.2804 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 21.4420, 9.3400, 95.2804 by changing the saturation by 10% instead.


 21.4420, 9.3400,
95.2804


 21.4420, 9.3400,
95.2804


252.3057,
185.8944, 566.0695


 13.5618, 4.9636,
71.7702


 45.3077, 24.5465,
156.6508


 7.8962, 2.2259,
52.4853


 62.0240, 36.1454,
195.3482

 4.0798, 0.7341,
37.0071


 82.4163, 50.9205,
239.9449

 1.7474, 0.0000,
24.9172

 106.8499, 69.2564,
290.8597

 0.4857, 0.0000,
15.7969

 135.6904, 91.5373,
348.5110

 0.0000, 0.0000,
9.2278

 169.3029,

 0.0000, 0.0000,

118.1477, 413.3174

4.7912

208.0529,
149.4719, 485.6974

■ 0.0000, 0.0000,
2.0687

■ 0.0000, 0.0000,
0.5970

■ 21.4420, 9.3400,
95.2804

■ 21.4420, 9.3400,
95.2804

■ 20.0972, 8.2754,
95.1458

■ 23.9598, 11.6875,
95.6008

■ 27.5608, 15.4668,
96.1405

■ 32.3698, 20.8779,
96.9315

■ 38.4926, 28.0877,
98.0004

■ 46.0225, 37.2419,
99.3705

■ 55.0439, 48.4711,
101.0625

■ 65.6344, 61.8943,
103.0952

■ 77.8660, 77.6213,
105.4862

■ 91.8060, 95.7547,
108.2516

Harmonies

Analogous

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



11.0070, 9.3400, 138.2817



21.4420, 9.3400, 95.2804



31.0258, 9.3400, 36.6046

Triad

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



21.4420, 9.3400, 95.2804



15.8446, 9.3400, 0.0000



0.7823, 9.3400, 16.9552

Complementary

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



21.4420, 9.3400, 95.2804



58.9062, 83.4377, 13.6617

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.



0.9968, 9.3400, 1.0389



21.4420, 9.3400, 95.2804



7.0419, 9.3400, 0.0000

Square

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



21.4420, 9.3400, 95.2804



26.6879, 9.3400, 0.0000



2.5324, 9.3400, 0.0000



1.5320, 9.3400, 64.8391

Rectangle

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



21.4420, 9.3400, 95.2804



33.6506, 9.3400, 12.0396



2.5324, 9.3400, 0.0000



0.7576, 9.3400, 8.5041

Sweetspot

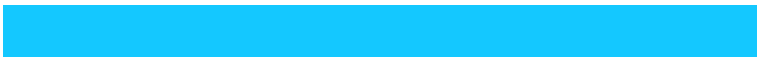
The Sweet Spot groups the original color and five complimentary colors.



21.4427, 9.3401, 95.2804



59.2563, 53.7842, 101.8660



39.0305, 48.7531, 101.9609



11.7495, 10.3344, 21.6254



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.



21.4427, 9.3401, 95.2804



20.0972, 8.2754, 95.1458



40.1219, 18.9695, 96.1546



17.4231, 17.5943, 22.7277



10.6139, 4.3821, 49.7210



1.1276, 0.4752, 4.8456

Inverse Universe

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



51.5654, 25.7901, 55.0699



50.7591, 25.0676, 52.0570



39.4233, 73.3939, 12.7499



18.5897, 18.2192, 21.7226



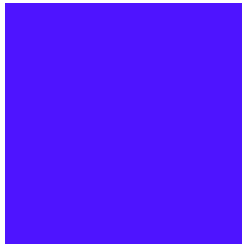
26.5853, 13.1234, 27.5302



2.6318, 1.2951, 2.9087

Previews

White Background



This preview shows how the XYZ color 21.4420, 9.3400, 95.2804 looks on a white background.

Color Contrast Check

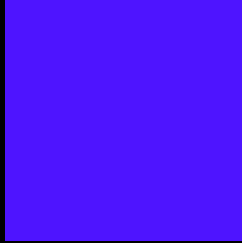
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4420, 9.3400, 95.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

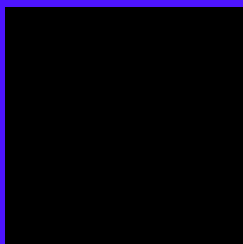
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4420, 9.3400, 95.2804

Background



This preview shows how black text looks on a background with the XYZ color 21.4420, 9.3400, 95.2804.



This preview shows how white text looks on a background with the XYZ color 21.4420, 9.3400,

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

21.4420, 9.3400, 95.2804

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

8.8350, 9.1176, 29.3112



Tritanopia

6.4412, 9.1240, 13.7335

Trichromacy



Original Color

21.4420, 9.3400, 95.2804

Protanomaly

12.8742, 7.7904, 57.3251

Deuteranomaly

11.2260, 7.3897, 47.8484

Tritanomaly

8.6318, 6.8154, 32.7589

Monochromacy



Original Color

21.4420, 9.3400, 95.2804

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.7448, 5.0726, 22.7612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4420, 9.3400, 95.2804 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(78, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 20, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.4420, 9.3400, 95.2804 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(78, 20, 255) }
```


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

```
.border{ border-color:rgb(78, 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(78, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 20,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4420, 9.3400, 95.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 20, 255) }
```

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

```
.background{ background-color: rgb(78, 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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