

Converting Colors

XYZ(20.8921, 9.0433, 93.2417)

Have a look what the booklet for
XYZ(20.8921, 9.0433, 93.2417)
contains.

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Color

**XYZ(20.9264, 9.0610,
93.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	4C12FD
RGB	76, 18, 253
RGB Percent	30%, 7%, 99%
CMY	0.7019, 0.9295, 0.0078
CMYK	0.70, 0.93, 0.00, 0.01
HSL	255°, 98%, 53%
HSV	255°, 93%, 99%
XYZ	20.9264, 9.0610, 93.5745
YIQ	62.1320, -40.8670, 85.3810

Conversions

Conversions Part 2

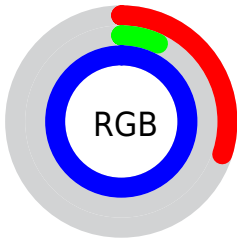
Format	Color
R_{YB}	76, 18, 253
Decimal	4985597
CIE _{Lab}	36.10, 77.34, -100.32
CIE _{LCh}	36, 126.672, 307.631
Yxy	9.0610, 0.1694, 0.0733
Android (android.graphics.Color)	4283175677 (0xFF4C12FD)
YUV	62.1320, 94.0979, 12.1622
Hunter-Lab	30.1015, 71.4146, -163.2398

Details

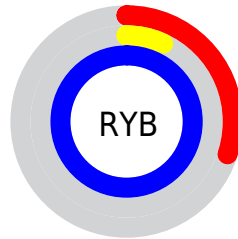
The XYZ color **20.9264, 9.0610, 93.5745** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **57.7346, 81.8937, 13.3359**, and the grayscale version is **4.4706, 4.7034, 5.1220**.

A 20% lighter version of the original color is **33.4617, 19.6441, 96.6358**, and **9.7376, 3.8950, 51.2775** is the 20% darker color. If you saturate the color by 10%, you get **19.7455, 8.1310, 93.4576**, and if you desaturate by 10%, it is **23.3301, 11.2771, 93.8759**.

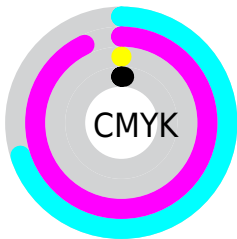
Distribution



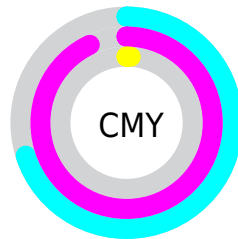
- Red (30%)
- Green (7%)
- Blue (99%)



- Red (30%)
- Yellow (7%)
- Blue (99%)



- Cyan (70%)
- Magenta (93%)
- Yellow (0%)
- Black (1%)



- Cyan (70%)
- Magenta (93%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9264, 9.0610, 93.5745 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 20.9264, 9.0610, 93.5745 by changing the saturation by 10% instead.


 20.9264, 9.0610,
93.5745

 20.9264, 9.0610,
93.5745


249.6262,
183.8323, 560.4586


 13.1824, 4.7810,
70.3588


 44.4572, 24.0137,
154.2723

 7.6321, 2.1193,
51.3405

 60.9747, 35.4551,
192.5915


 3.9103, 0.6755,
36.1010


 81.1474, 50.0525,
236.7823

 1.6515, 0.0000,
24.2219

 105.3406, 68.1902,
287.2632

 0.4256, 0.0000,
15.2846

 133.9198, 90.2527,
344.4527

 0.0000, 0.0000,
8.8705

 167.2502,

 0.0000, 0.0000,

116.6242, 408.7694

4.5612

205.6972,
147.6893, 480.6319

0.0000, 0.0000,
1.9380

0.0000, 0.0000,
0.5167

20.9264, 9.0610,
93.5745

20.9264, 9.0610,
93.5745

19.7455, 8.1310,
93.4576

23.3301, 11.2771,
93.8759

26.7874, 14.8831,
94.3897

31.4226, 20.0781,
95.1481

37.3402, 27.0278,
96.1777

■ 44.6327, 35.8762,
97.5012

■ 53.3834, 46.7524,
99.1393

■ 63.6688, 59.7738,
101.1106

■ 75.5600, 75.0489,
103.4323

■ 89.1233, 92.6786,
106.1203

Harmonies

Analogous

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



10.6959, 9.0610, 135.9849



20.9264, 9.0610, 93.5745



30.3405, 9.0610, 35.7988

Triad

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



20.9264, 9.0610, 93.5745



15.4341, 9.0610, 0.0000



0.7338, 9.0610, 16.5106

Complementary

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



20.9264, 9.0610, 93.5745



57.7346, 81.8937, 13.3359

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.



0.9429, 9.0610, 0.9814



20.9264, 9.0610, 93.5745



6.8184, 9.0610, 0.0000

Square

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



20.9264, 9.0610, 93.5745



26.0770, 9.0610, 0.0000



2.4268, 9.0610, 0.0000



1.4587, 9.0610, 63.5866

Rectangle

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



20.9264, 9.0610, 93.5745



32.9206, 9.0610, 11.6938



2.4268, 9.0610, 0.0000



0.7091, 9.0610, 8.2392

Sweetspot

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



20.9272, 9.0611, 93.5748



59.2562, 53.7841, 101.8660



38.2106, 47.6837, 100.1188



11.7494, 10.3343, 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.



20.9272, 9.0611, 93.5748



20.0972, 8.2753, 95.1458



39.2637, 18.5139, 94.4329



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.



50.5722, 25.2541, 53.8260



50.7592, 25.0677, 52.0574



38.5986, 72.0287, 12.4404



18.5897, 18.2192, 21.7226



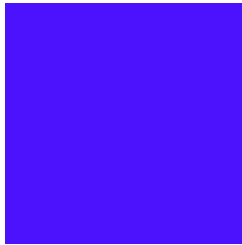
26.5853, 13.1234, 27.5304



2.6319, 1.2951, 2.9087

Previews

White Background



This preview shows how the XYZ color 20.9264, 9.0610, 93.5745 looks on a white background.

Color Contrast Check

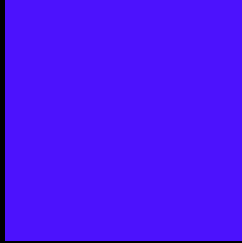
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9264, 9.0610, 93.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

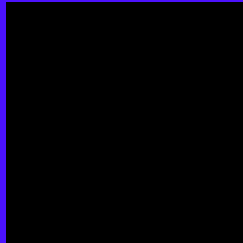
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9264, 9.0610, 93.5745

Background



This preview shows how black text looks on a background with the XYZ color 20.9264, 9.0610, 93.5745.



This preview shows how white text looks on a background with the XYZ color 20.9264, 9.0610,

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

20.9264, 9.0610, 93.5745

Protanopia

10.3680, 8.9749, 39.7139

Deuteranopia

8.5965, 8.8917, 28.4573



Tritanopia

6.3030, 8.9255, 13.4472

Trichromacy



Original Color

20.9264, 9.0610, 93.5745

Protanomaly

12.5855, 7.5919, 56.0604

Deuteranomaly

10.9585, 7.1949, 46.7101

Tritanomaly

8.4279, 6.5436, 32.2713

Monochromacy



Original Color

20.9264, 9.0610, 93.5745

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.3885, 4.7860, 22.0071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9264, 9.0610, 93.5745 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(76, 18, 253)` looks like.

```
.text, #text, p{  
    color:rgb(76, 18, 253)  
}
```

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(76, 18, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 18, 253) }
```

Border

The CSS property to change the border of an element to XYZ 20.9264, 9.0610, 93.5745 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(76, 18, 253) }
```


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

```
.border{ border-color:rgb(76, 18, 253) }
```

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

Here you see how a box with a 4 pixel rgb(76, 18, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 18, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 18, 253);  
box-shadow:4px 4px 4px 4px rgb(76, 18,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9264, 9.0610, 93.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 18, 253) }
```

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

```
.background{ background-color: rgb(76, 18,  
253) }
```

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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