

Converting Colors

XYZ(20.7311, 9.3104, 91.1469)

Have a look what the booklet for
XYZ(20.7311, 9.3104, 91.1469)
contains.

XYZ(20.7311, 9.3104, 91.1469)	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(20.7311, 9.3104,
91.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	4D1CFA
RGB	77, 28, 250
RGB Percent	30%, 11%, 98%
CMY	0.6980, 0.8902, 0.0196
CMYK	0.69, 0.89, 0.00, 0.02
HSL	253°, 96%, 55%
HSV	253°, 89%, 98%
XYZ	20.7311, 9.3104, 91.1469
YIQ	67.9590, -42.0580, 79.4300

Conversions

Conversions Part 2

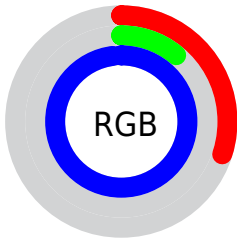
Format	Color
R_{YB}	77, 28, 250
Decimal	5053690
CIE _{Lab}	36.58, 74.36, -97.84
CIE _{LCh}	37, 122.893, 307.234
Yxy	9.3104, 0.1711, 0.0768
Android (android.graphics.Color)	4283243770 (0xFF4D1CFA)
YUV	67.9590, 89.7462, 7.9290
Hunter-Lab	30.5129, 67.8788, -155.7493

Details

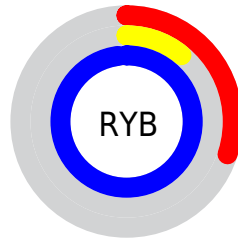
The XYZ color **20.7311, 9.3104, 91.1469** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **58.4777, 80.8702, 13.6255**, and the grayscale version is **5.3537, 5.6325, 6.1338**.

A 20% lighter version of the original color is **33.8526, 20.4260, 96.7661**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **19.0056, 7.8526, 90.9568**, and if you desaturate by 10%, it is **23.4038, 11.9611, 91.5180**.

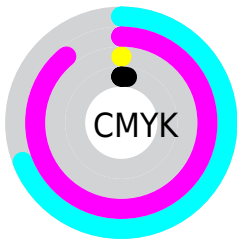
Distribution



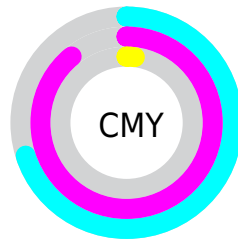
- Red (30%)
- Green (11%)
- Blue (98%)



- Red (30%)
- Yellow (11%)
- Blue (98%)



- Cyan (69%)
- Magenta (89%)
- Yellow (0%)
- Black (2%)





- Cyan (70%)
- Magenta (89%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7311, 9.3104, 91.1469 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 20.7311, 9.3104, 91.1469 by changing the saturation by 10% instead.


 20.7311, 9.3104,
91.1469


 20.7311, 9.3104,
91.1469


248.6048,
185.6769, 552.4207


 13.0389, 4.9442,
68.3532


 44.1342, 24.4901,
150.8799


 7.5325, 2.2146,
49.7167


 60.5759, 36.0724,
188.6562


 3.8466, 0.7279,
34.8187


 80.6648, 50.8288,
232.2639

 1.6157, 0.0000,
23.2408

 104.7662, 69.1437,
282.1214

 0.4026, 0.0000,
14.5645

 133.2456, 91.4016,
338.6473

 0.0000, 0.0000,
8.3711

 166.4683,

 0.0000, 0.0000,

117.9869, 402.2601

4.2421

204.7995,
149.2838, 473.3784

■ 0.0000, 0.0000,
1.7591

■ 0.0000, 0.0000,
0.4008

■ 20.7311, 9.3104,
91.1469

■ 20.7311, 9.3104,
91.1469

■ 19.0056, 7.8526,
90.9568

■ 23.4038, 11.9611,
91.5180

■ 18.8419, 7.7200,
90.9398

■ 27.1778, 16.0608,
92.1104

■ 32.1692, 21.7894,
92.9531

■ 38.4778, 29.3001,
94.0703

■ 46.1926, 38.7280,
95.4834

■ 55.3944, 50.1947,
97.2117

■ 66.1579, 63.8120,
99.2729

■ 78.5524, 79.6833,
101.6831

■ 92.6433, 97.9052,
104.4576

Harmonies

Analogous

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



10.7886, 9.3104, 130.7147



20.7311, 9.3104, 91.1469



29.8688, 9.3104, 35.9272

Triad

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



20.7311, 9.3104, 91.1469



15.6713, 9.3104, 0.0000



0.8728, 9.3104, 16.2658

Complementary

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



20.7311, 9.3104, 91.1469



58.4777, 80.8702, 13.6255

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.



1.1059, 9.3104, 1.0890



20.7311, 9.3104, 91.1469



7.1574, 9.3104, 0.0000

Square

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



20.7311, 9.3104, 91.1469



25.9727, 9.3104, 0.0000



2.6840, 9.3104, 0.0000



1.6237, 9.3104, 61.1454

Rectangle

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



20.7311, 9.3104, 91.1469



32.4245, 9.3104, 12.2604



2.6840, 9.3104, 0.0000



0.8521, 9.3104, 8.2749

Sweetspot

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



20.7319, 9.3105, 91.1472



59.8226, 54.8674, 102.0452



38.8308, 49.3424, 97.9202



12.0407, 10.7843, 21.6969



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.



20.7319, 9.3105, 91.1472



19.6979, 8.0695, 95.1271



38.1879, 18.3094, 91.9641



16.6414, 16.8278, 21.7563



10.0939, 4.1463, 48.2419



1.0213, 0.4286, 4.4721

Inverse Universe

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



50.3800, 25.3704, 57.4887



51.5136, 25.3695, 56.0302



38.6992, 70.6740, 12.6999



17.8194, 17.4551, 20.9045



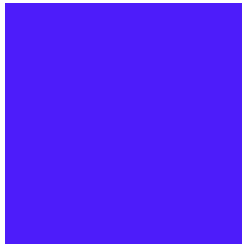
26.1812, 12.8882, 28.7262



2.4639, 1.2093, 2.8661

Previews

White Background



This preview shows how the XYZ color 20.7311, 9.3104, 91.1469 looks on a white background.

Color Contrast Check

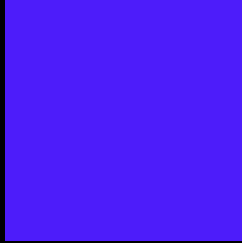
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7311, 9.3104, 91.1469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

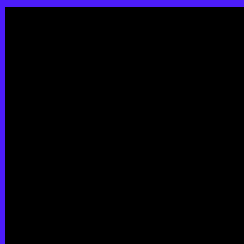
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7311, 9.3104, 91.1469

Background



This preview shows how black text looks on a background with the XYZ color 20.7311, 9.3104, 91.1469.



This preview shows how white text looks on a background with the XYZ color 20.7311, 9.3104,

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

20.7311, 9.3104, 91.1469

Protanopia

10.6361, 9.2036, 40.7511

Deuteranopia

8.7562, 9.0860, 28.8960



Tritanopia

6.4412, 9.1240, 13.7335

Trichromacy



Original Color

20.7311, 9.3104, 91.1469

Protanomaly

12.7990, 8.0189, 56.1316

Deuteranomaly

11.0788, 7.6040, 46.2312

Tritanomaly

8.6485, 7.1199, 31.9288

Monochromacy



Original Color

20.7311, 9.3104, 91.1469

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.1747, 5.6070, 23.2057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7311, 9.3104, 91.1469 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(77, 28, 250)` looks like.

```
.text, #text, p{  
  color:rgb(77, 28, 250)  
}
```

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(77, 28, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 28, 250) }
```

Border

The CSS property to change the border of an element to XYZ 20.7311, 9.3104, 91.1469 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(77, 28, 250) }
```


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

```
.border{ border-color:rgb(77, 28, 250) }
```

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

Here you see how a box with a 4 pixel rgb(77, 28, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 28, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 28, 250);  
box-shadow:4px 4px 4px 4px rgb(77, 28,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7311, 9.3104, 91.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 28, 250) }
```

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

```
.background{ background-color: rgb(77, 28,  
250) }
```

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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