

Converting Colors

XYZ(18.0568, 7.3171, 90.8209)

Have a look what the booklet for
XYZ(18.0568, 7.3171, 90.8209)
contains.

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Color

**XYZ(18.0920, 7.3335,
90.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	2700FA
RGB	39, 0, 250
RGB Percent	15%, 0%, 98%
CMY	0.8470, 1.0000, 0.0196
CMYK	0.84, 1.00, 0.00, 0.02
HSL	249°, 100%, 49%
HSV	249°, 100%, 98%
XYZ	18.0920, 7.3335, 90.9044
YIQ	40.1610, -57.0060, 86.0180

Conversions

Conversions Part 2

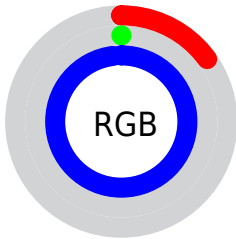
Format	Color
R_{YB}	39, 0, 250
Decimal	2556154
CIE _{Lab}	32.55, 78.33, -104.61
CIE _{LCh}	33, 130.688, 306.827
Yxy	7.3335, 0.1555, 0.0630
Android (android.graphics.Color)	4280746234 (0xFF2700FA)
YUV	40.1610, 103.4506, -1.0182
Hunter-Lab	27.0804, 71.8622, -180.0701

Details

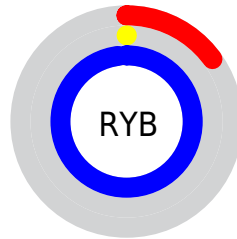
The XYZ color **18.0920, 7.3335, 90.9044** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **61.0433, 82.2170, 12.6522**, and the grayscale version is **1.9465, 2.0479, 2.2302**.

A 20% lighter version of the original color is **29.4206, 16.5219, 96.2461**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **18.0929, 7.3339, 90.9048**, and if you desaturate by 10%, it is **19.4738, 8.5618, 91.0690**.

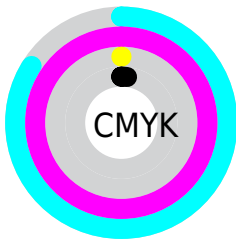
Distribution



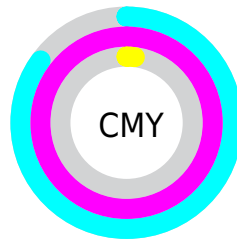
- Red (15%)
- Green (0%)
- Blue (98%)



- Red (15%)
- Yellow (0%)
- Blue (98%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (85%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0920, 7.3335, 90.9044 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 18.0920, 7.3335, 90.9044 by changing the saturation by 10% instead.


 18.0920, 7.3335,
90.9044


 18.0920, 7.3335,
90.9044


234.4247,
170.4068, 551.6143

 11.1161, 3.6715,
68.1531


 39.7229, 20.6410,
150.5405


 6.2129, 1.4916,
49.5548


 55.1086, 31.0554,
188.2623


 3.0168, 0.2828,
34.6911


 74.0284, 44.4894,
231.8114

 1.1627, 0.0000,
23.1434

 96.8475, 61.3273,
281.6062

 0.0766, 0.0000,
14.4931

 123.9313, 81.9536,
338.0654


 0.0000, 0.0000,
8.3218


 155.6452,


 0.0000, 0.0000,


106.7527, 401.6075


4.2108


 192.3545,
136.1089, 472.6509

 0.0000, 0.0000,
1.7417


 0.0000, 0.0000,
0.3891


 18.0920, 7.3335,
90.9044


 18.0920, 7.3335,
90.9044

 18.0929, 7.3339,
90.9048

 19.4738, 8.5618,
91.0690

 21.8081, 10.9423,
91.4054

 25.2868, 14.7776,
91.9624

 30.0403, 20.2581,
92.7697

■ 36.1802, 27.5449,
93.8526

■ 43.8059, 36.7797,
95.2331

■ 53.0073, 48.0901,
96.9313

■ 63.8673, 61.5925,
98.9651

■ 76.4627, 77.3947,
101.3514

Harmonies

Analogous

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



8.6405, 7.3335, 132.4084



18.0920, 7.3335, 90.9044



27.1843, 7.3335, 33.5922

Triad

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



18.0920, 7.3335, 90.9044



13.4747, 7.3335, 0.0000



0.2578, 7.3335, 13.3061

Complementary

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



18.0920, 7.3335, 90.9044



61.0433, 82.2170, 12.6522

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.



0.4925, 7.3335, 0.3287



18.0920, 7.3335, 90.9044



5.5305, 7.3335, 0.0000

Square

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



18.0920, 7.3335, 90.9044



23.5171, 7.3335, 0.0000



1.7075, 7.3335, 0.0000



0.8721, 7.3335, 57.9169

Rectangle

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



18.0920, 7.3335, 90.9044



29.8262, 7.3335, 10.2390



1.7075, 7.3335, 0.0000



0.2400, 7.3335, 6.0886

Sweetspot

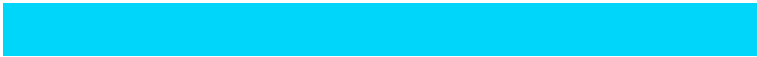
The Sweet Spot groups the original color and five complimentary colors.



18.0929, 7.3339, 90.9048



55.4156, 50.2641, 101.3890



40.9241, 54.2396, 98.7551



10.9479, 9.6320, 21.5321



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.



18.0929, 7.3339, 90.9048



18.9174, 7.6672, 95.0906



32.2575, 14.6360, 91.5676



16.5353, 16.7731, 21.7513



9.6724, 3.9290, 48.2221



0.9673, 0.4007, 4.4695

Inverse Universe

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



51.1795, 25.0261, 63.7464



53.5311, 26.1764, 66.6538



38.1631, 70.4218, 11.5814



17.8698, 17.4753, 21.1700



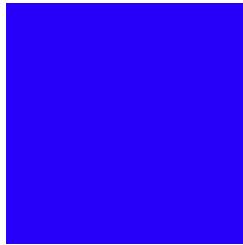
27.1913, 13.2922, 34.0453



2.5487, 1.2432, 3.3129

Previews

White Background



This preview shows how the XYZ color 18.0920, 7.3335, 90.9044 looks on a white background.

Color Contrast Check

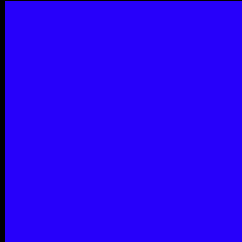
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0920, 7.3335, 90.9044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

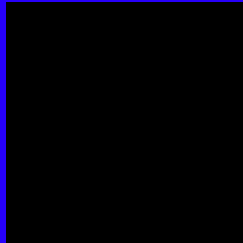
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0920, 7.3335, 90.9044

Background



This preview shows how black text looks on a background with the XYZ color 18.0920, 7.3335, 90.9044.



This preview shows how white text looks on a background with the XYZ color 18.0920, 7.3335,

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

18.0920, 7.3335, 90.9044

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.0920, 7.3335, 90.9044

Protanomaly

10.6420, 5.9689, 49.8814

Deuteranomaly

9.2014, 5.5956, 41.6694

Tritanomaly

6.8926, 4.9639, 28.6118

Monochromacy



Original Color

18.0920, 7.3335, 90.9044

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.3751, 2.4073, 16.7571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0920, 7.3335, 90.9044 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(39, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(39, 0, 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(39, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 18.0920, 7.3335, 90.9044 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(39, 0, 250) }
```


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

```
.border{ border-color:rgb(39, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(39, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(39, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0920, 7.3335, 90.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 0, 250) }
```

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

```
.background{ background-color: rgb(39, 0,  
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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