

Converting Colors

XYZ(18.5565, 7.5747, 90.8443)

Have a look what the booklet for
XYZ(18.5565, 7.5747, 90.8443)
contains.

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Color

**XYZ(18.5707, 7.5802,
90.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	3200FA
RGB	50, 0, 250
RGB Percent	20%, 0%, 98%
CMY	0.8038, 1.0000, 0.0196
CMYK	0.80, 1.00, 0.00, 0.02
HSL	252°, 100%, 49%
HSV	252°, 100%, 98%
XYZ	18.5707, 7.5802, 90.9268
YIQ	43.4500, -50.4500, 88.3500

Conversions

Conversions Part 2

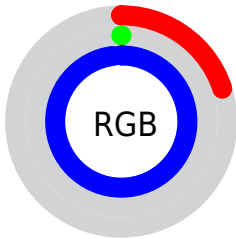
Format	Color
RYB	50, 0, 250
Decimal	3277050
CIELab	33.09, 78.53, -103.70
CIElCh	33, 130.075, 307.136
Yxy	7.5802, 0.1586, 0.0647
Android (android.graphics.Color)	4281467130 (0xFF3200FA)
YUV	43.4500, 101.8291, 5.7443
Hunter-Lab	27.5322, 72.2186, -176.5367

Details

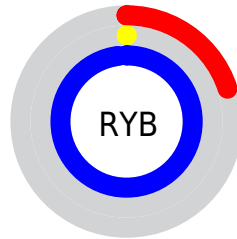
The XYZ color **18.5707, 7.5802, 90.9268** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **58.0003, 80.6483, 12.5097**, and the grayscale version is **2.2487, 2.3658, 2.5764**.

A 20% lighter version of the original color is **30.2641, 17.0534, 96.3043**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **18.5717, 7.5807, 90.9272**, and if you desaturate by 10%, it is **20.1300, 8.9001, 91.0997**.

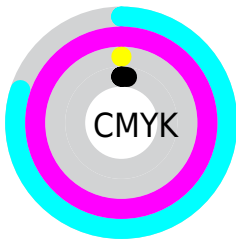
Distribution



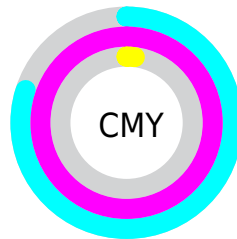
- Red (20%)
- Green (0%)
- Blue (98%)



- Red (20%)
- Yellow (0%)
- Blue (98%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (80%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5707, 7.5802, 90.9268 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 18.5707, 7.5802, 90.9268 by changing the saturation by 10% instead.

■ 18.5707, 7.5802,
90.9268

■ 18.5707, 7.5802,
90.9268

237.0523,
172.4013, 551.6888

■ 11.4627, 3.8275,
68.1715

■ 40.5299, 21.1313,
150.5718

■ 6.4485, 1.5776,
49.5697

■ 56.1118, 31.6984,
188.2987

■ 3.1629, 0.3424,
34.7029

■ 75.2490, 45.3059,
231.8532

■ 1.2405, 0.0000,
23.1524

■ 98.3069, 62.3380,
281.6538

■ 0.1380, 0.0000,
14.4997

■ 125.6508, 83.1792,
338.1192


■ 0.0000, 0.0000,
8.3263


■ 157.6461,


■ 0.0000, 0.0000,

108.2139, 401.6678

4.2137


 194.6581,
137.8264, 472.7181

 0.0000, 0.0000,
1.7433


 0.0000, 0.0000,
0.3902


 18.5707, 7.5802,
90.9268


 18.5707, 7.5802,
90.9268

 18.5717, 7.5807,
90.9272

 20.1300, 8.9001,
91.0997

 22.6139, 11.3578,
91.4432

 26.2035, 15.2502,
92.0053

 31.0202, 20.7632,
92.8155

■ 37.1684, 28.0544,
93.8988

■ 44.7410, 37.2618,
95.2769

■ 53.8221, 48.5101,
96.9694

■ 64.4892, 61.9131,
98.9943

■ 76.8145, 77.5761,
101.3679

Harmonies

Analogous

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



8.9845, 7.5802, 132.8455



18.5707, 7.5802, 90.9268



27.6905, 7.5802, 33.6227

Triad

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



18.5707, 7.5802, 90.9268



13.6982, 7.5802, 0.0000



0.3314, 7.5802, 13.9404

Complementary

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



18.5707, 7.5802, 90.9268



58.0003, 80.6483, 12.5097

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.



0.5563, 7.5802, 0.4556



18.5707, 7.5802, 90.9268



5.6771, 7.5802, 0.0000

Square

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



18.5707, 7.5802, 90.9268



23.8350, 7.5802, 0.0000



1.7921, 7.5802, 0.0000



0.9555, 7.5802, 59.1284

Rectangle

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



18.5707, 7.5802, 90.9268



30.2884, 7.5802, 10.3044



1.7921, 7.5802, 0.0000



0.3107, 7.5802, 6.4946

Sweetspot

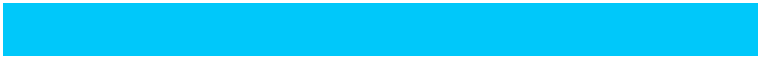
The Sweet Spot groups the original color and five complimentary colors.



18.5717, 7.5807, 90.9272



56.2683, 50.7038, 101.4289



37.9097, 48.2108, 97.7504



11.1437, 9.7330, 21.5413



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.



18.5717, 7.5807, 90.9272



19.4162, 7.9243, 95.1139



34.9346, 16.0161, 91.6929



16.6073, 16.8102, 21.7547



9.9431, 4.0685, 48.2348



1.0028, 0.4190, 4.4712

Inverse Universe

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



49.8477, 24.4933, 56.7328



52.1368, 25.6187, 59.3119



37.0874, 69.8673, 11.5310



17.8355, 17.4615, 20.9893



26.4934, 13.0131, 30.3706



2.4902, 1.2198, 3.0050

Previews

White Background



This preview shows how the XYZ color 18.5707, 7.5802, 90.9268 looks on a white background.

Color Contrast Check

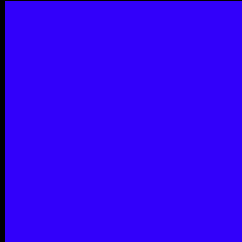
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5707, 7.5802, 90.9268 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 18.5707, 7.5802, 90.9268

Background



This preview shows how black text looks on a background with the XYZ color 18.5707, 7.5802, 90.9268.



This preview shows how white text looks on a background with the XYZ color 18.5707, 7.5802,

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

18.5707, 7.5802, 90.9268

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.3400, 7.5891, 11.3086

Trichromacy



Original Color

18.5707, 7.5802, 90.9268

Protanomaly

10.8208, 6.0483, 50.4663

Deuteranomaly

9.4133, 5.7589, 42.2104

Tritanomaly

7.0405, 5.0309, 29.0338

Monochromacy



Original Color

18.5707, 7.5802, 90.9268

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.7887, 2.6727, 17.4030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5707, 7.5802, 90.9268 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(50, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 18.5707, 7.5802, 90.9268 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(50, 0, 250) }
```


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

```
.border{ border-color:rgb(50, 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(50, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5707, 7.5802, 90.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 250) }
```

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

```
.background{ background-color: rgb(50, 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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