

Converting Colors

XYZ(18.5901, 7.5761, 95.0903)

Have a look what the booklet for
XYZ(18.5901, 7.5761, 95.0903)
contains.

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Color

**XYZ(18.5832, 7.5754,
95.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	1C05FF
RGB	28, 5, 255
RGB Percent	11%, 2%, 100%
CMY	0.8901, 0.9805, 0.0000
CMYK	0.89, 0.98, 0.00, 0.00
HSL	246°, 100%, 51%
HSV	246°, 98%, 100%
XYZ	18.5832, 7.5754, 95.0905
YIQ	40.3770, -66.5420, 82.6260

Conversions

Conversions Part 2

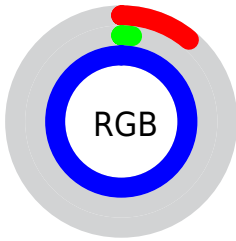
Format	Color
RYB	28, 5, 255
Decimal	1836543
CIELab	33.08, 78.64, -106.55
CIElCh	33, 132.423, 306.430
Yxy	7.5754, 0.1533, 0.0625
Android (android.graphics.Color)	4280026623 (0xFF1C05FF)
YUV	40.3770, 105.8091, -10.8546
Hunter-Lab	27.5234, 72.3531, -185.5741

Details

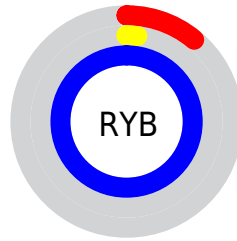
The XYZ color **18.5832, 7.5754, 95.0905** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **69.0450, 88.6759, 13.6199**, and the grayscale version is **1.9631, 2.0653, 2.2491**.

A 20% lighter version of the original color is **29.1030, 16.5532, 96.2689**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4155, 7.4084, 95.0671**, and if you desaturate by 10%, it is **19.9009, 8.8813, 95.2731**.

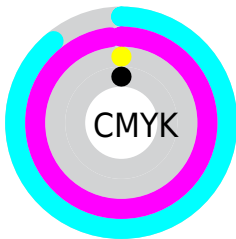
Distribution



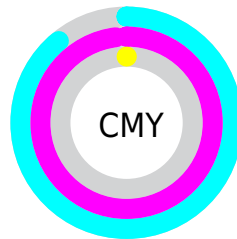
- Red (11%)
- Green (2%)
- Blue (100%)



- Red (11%)
- Yellow (2%)
- Blue (100%)



- Cyan (89%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (98%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5832, 7.5754, 95.0905 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 18.5832, 7.5754, 95.0905 by changing the saturation by 10% instead.

 18.5832, 7.5754,
95.0905


 18.5832, 7.5754,
95.0905


237.1206,
172.3627, 565.4464


 11.4717, 3.8245,
71.6130


 40.5509, 21.1217,
156.3863


 6.4547, 1.5759,
52.3577


 56.1379, 31.6860,
195.0416

 3.1667, 0.3412,
36.9061


 75.2808, 45.2901,
239.5934

 1.2425, 0.0000,
24.8396

 98.3448, 62.3185,
290.4600

 0.1396, 0.0000,
15.7396

 125.6955, 83.1555,
348.0601


 0.0000, 0.0000,
9.1877


 157.6981,


 0.0000, 0.0000,


108.1857, 412.8121

4.7654


 194.7180,
137.7933, 485.1347

 0.0000, 0.0000,
2.0539


 0.0000, 0.0000,
0.5881


 18.5832, 7.5754,
95.0905


 18.5832, 7.5754,
95.0905

 18.4155, 7.4084,
95.0671

 19.9009, 8.8813,
95.2731

 22.3125, 11.5148,
95.6543

 26.0088, 15.7432,
96.2757

 31.1379, 21.7678,
97.1682

■ 37.8279, 29.7601,
98.3583

■ 46.1923, 39.8715,
99.8691

■ 56.3340, 52.2385,
101.7217

■ 68.3477, 66.9863,
103.9351

■ 82.3213, 84.2306,
106.5271

Harmonies

Analogous

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



8.8228, 7.5754, 137.5721



18.5832, 7.5754, 95.0905



28.0619, 7.5754, 35.4418

Triad

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



18.5832, 7.5754, 95.0905



14.0728, 7.5754, 0.0000



0.2687, 7.5754, 13.3887

Complementary

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



18.5832, 7.5754, 95.0905



69.0450, 88.6759, 13.6199

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.



0.5181, 7.5754, 0.2857



18.5832, 7.5754, 95.0905



5.7898, 7.5754, 0.0000

Square

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



18.5832, 7.5754, 95.0905



24.4768, 7.5754, 0.0000



1.7859, 7.5754, 0.0000



0.8806, 7.5754, 59.2283

Rectangle

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



18.5832, 7.5754, 95.0905



30.8799, 7.5754, 10.9023



1.7859, 7.5754, 0.0000



0.2546, 7.5754, 6.0643

Sweetspot

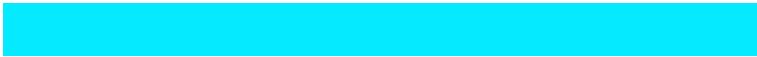
The Sweet Spot groups the original color and five complimentary colors.



18.5839, 7.5753, 95.0904



55.2915, 50.9632, 101.5304



47.5819, 66.1914, 104.8761



10.8768, 9.7386, 21.5564



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.



18.5839, 7.5753, 95.0904



18.4155, 7.4084, 95.0671



30.8334, 13.8902, 95.6637



17.1584, 17.4578, 22.7153



9.6743, 3.8978, 49.6770



0.9919, 0.4053, 4.8392

Inverse Universe

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



55.8503, 27.1905, 78.6004



55.7312, 27.0565, 78.2398



42.1125, 74.7917, 12.3595



18.7162, 18.2698, 22.3884



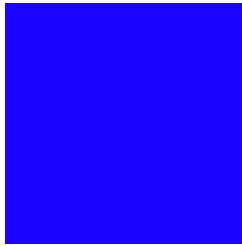
29.1505, 14.1495, 41.0388



2.8585, 1.3858, 4.1024

Previews

White Background



This preview shows how the XYZ color 18.5832, 7.5754, 95.0905 looks on a white background.

Color Contrast Check

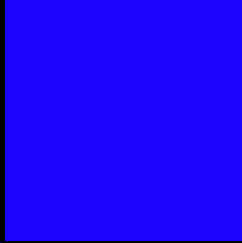
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5832, 7.5754, 95.0905 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 18.5832, 7.5754, 95.0905

Background



This preview shows how black text looks on a background with the XYZ color 18.5832, 7.5754, 95.0905.



This preview shows how white text looks on a background with the XYZ color 18.5832, 7.5754,

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

18.5832, 7.5754, 95.0905

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2455, 7.6061, 23.6405

Trichromacy



Original Color

18.5832, 7.5754, 95.0905

Protanomaly

10.8914, 6.1960, 51.0740

Deuteranomaly

9.4342, 5.8251, 42.7466

Monochromacy



Original Color

18.5832, 7.5754, 95.0905

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.3895, 2.4669, 17.3844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5832, 7.5754, 95.0905 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(28, 5, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 5, 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(28, 5, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 5, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.5832, 7.5754, 95.0905 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(28, 5, 255) }
```

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

```
.border{ border-color:rgb(28, 5, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 5, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 5, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 5, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 5, 255)  
}
```


Background

The CSS property to change the background color of an element to XYZ 18.5832, 7.5754, 95.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 5, 255) }
```

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

```
.background{ background-color: rgb(28, 5,  
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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