

Converting Colors

XYZ(18.7800, 7.7187, 95.1078)

Have a look what the booklet for
XYZ(18.7800, 7.7187, 95.1078)
contains.

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Color

**XYZ(18.7965, 7.7337,
95.1098)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2208FF |
| RGB | 34, 8, 255 |
| RGB Percent | 13%, 3%, 100% |
| CMY | 0.8666, 0.9687, 0.0000 |
| CMYK | 0.87, 0.97, 0.00, 0.00 |
| HSL | 246°, 100%, 52% |
| HSV | 246°, 97%, 100% |
| XYZ | 18.7965, 7.7337, 95.1098 |
| YIQ | 43.9320, -63.7910, 82.3290 |

Conversions

Conversions Part 2

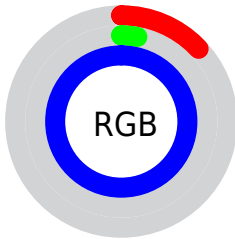
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 34, 8, 255 |
| Decimal | 2230527 |
| CIE _{Lab} | 33.42, 78.28, -105.97 |
| CIE _{LCh} | 33, 131.751, 306.452 |
| Yxy | 7.7337, 0.1545, 0.0636 |
| Android (android.graphics.Color) | 4280420607 (0xFF2208FF) |
| YUV | 43.9320, 104.0565, -8.7104 |
| Hunter-Lab | 27.8095, 71.9817, -183.3077 |

Details

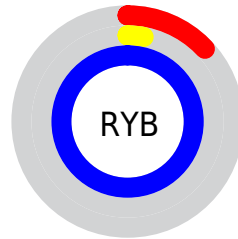
The XYZ color **18.7965, 7.7337, 95.1098** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **68.0989, 88.1863, 13.6614**, and the grayscale version is **2.2926, 2.4120, 2.6266**.

A 20% lighter version of the original color is **29.4682, 16.8413, 96.3053**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4993, 7.4516, 95.0710**, and if you desaturate by 10%, it is **20.2853, 9.1993, 95.3142**.

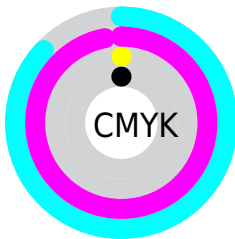
Distribution



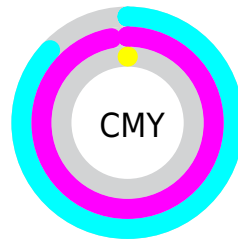
- Red (13%)
- Green (3%)
- Blue (100%)



- Red (13%)
- Yellow (3%)
- Blue (100%)



- Cyan (87%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7965, 7.7337, 95.1098 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 18.7965, 7.7337, 95.1098 by changing the saturation by 10% instead.


 18.7965, 7.7337,
95.1098


 18.7965, 7.7337,
95.1098


238.2827,
173.6281, 565.5097


 11.6265, 3.9250,
71.6290


 40.9095, 21.4347,
156.4132


 6.5602, 1.6317,
52.3707


 56.5831, 32.0958,
195.0728


 3.2325, 0.3788,
36.9163


 75.8220, 45.8099,
239.6291

 1.2779, 0.0000,
24.8474

 98.9916, 62.9613,
290.5006

 0.1666, 0.0000,
15.7454

 126.4570, 83.9344,
348.1059


 0.0000, 0.0000,
9.1918


 158.5838,


 0.0000, 0.0000,

109.1137, 412.8635

4.7680

 195.7373,
138.8834, 485.1919


 0.0000, 0.0000,
2.0554


 0.0000, 0.0000,
0.5891


 18.7965, 7.7337,
95.1098


 18.7965, 7.7337,
95.1098

 18.4993, 7.4516,
95.0710

 20.2853, 9.1993,
95.3142

 22.8913, 12.0354,
95.7243

 26.7889, 16.4861,
96.3779

 32.1200, 22.7464,
97.3053

■ 39.0074, 30.9836,
98.5323

■ 47.5610, 41.3460,
100.0816

■ 57.8802, 53.9673,
101.9739

■ 70.0570, 68.9704,
104.2280

■ 84.1767, 86.4694,
106.8614

Harmonies

Analogous

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



8.9923, 7.7337, 137.4021



18.7965, 7.7337, 95.1098



28.2819, 7.7337, 35.6496

Triad

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



18.7965, 7.7337, 95.1098



14.2566, 7.7337, 0.0000



0.3209, 7.7337, 13.6170

Complementary

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



18.7965, 7.7337, 95.1098



68.0989, 88.1863, 13.6614

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.



0.5683, 7.7337, 0.3487



18.7965, 7.7337, 95.1098



5.9220, 7.7337, 0.0000

Square

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



18.7965, 7.7337, 95.1098



24.6831, 7.7337, 0.0000



1.8603, 7.7337, 0.0000



0.9329, 7.7337, 59.4768

Rectangle

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



18.7965, 7.7337, 95.1098



31.0947, 7.7337, 11.0763



1.8603, 7.7337, 0.0000



0.3067, 7.7337, 6.2276

Sweetspot

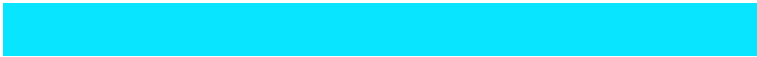
The Sweet Spot groups the original color and five complimentary colors.



18.7972, 7.7337, 95.1098



55.5331, 51.0877, 101.5417



46.5294, 64.0307, 104.5145



10.9322, 9.7671, 21.5590



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.



18.7972, 7.7337, 95.1098



18.4993, 7.4516, 95.0710



31.8835, 14.4799, 95.7222



17.1808, 17.4694, 22.7164



9.7235, 3.9231, 49.6793



1.0025, 0.4107, 4.8397

Inverse Universe

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



55.4616, 27.0871, 76.3929



55.2579, 26.8672, 75.7473



41.8411, 74.6499, 12.4326



18.7052, 18.2654, 22.3309



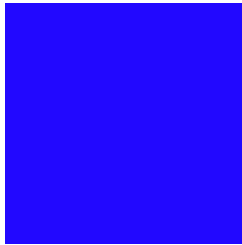
28.9068, 14.0520, 39.7555



2.8373, 1.3773, 3.9906

Previews

White Background



This preview shows how the XYZ color 18.7965, 7.7337, 95.1098 looks on a white background.

Color Contrast Check

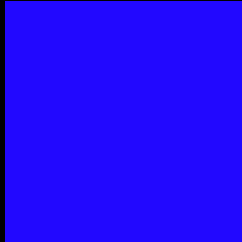
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7965, 7.7337, 95.1098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

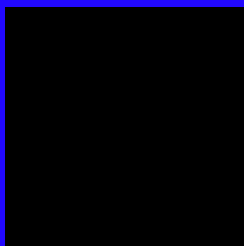
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7965, 7.7337, 95.1098

Background



This preview shows how black text looks on a background with the XYZ color 18.7965, 7.7337, 95.1098.



This preview shows how white text looks on a background with the XYZ color 18.7965, 7.7337,

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

18.7965, 7.7337, 95.1098

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.7965, 7.7337, 95.1098

Protanomaly

11.0731, 6.3409, 51.6792

Deuteranomaly

9.6075, 5.9712, 43.2940

Tritanomaly

7.2506, 5.3386, 29.9265

Monochromacy



Original Color

18.7965, 7.7337, 95.1098

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.8162, 2.8116, 18.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7965, 7.7337, 95.1098 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(34, 8, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 8, 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(34, 8, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 8, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.7965, 7.7337, 95.1098 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(34, 8, 255) }
```


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

```
.border{ border-color:rgb(34, 8, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 8, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 8, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 8, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 8, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7965, 7.7337, 95.1098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 8, 255) }
```

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

```
.background{ background-color: rgb(34, 8,  
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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