

Converting Colors

XYZ(18.7049, 8.5297, 95.2683)

Have a look what the booklet for
XYZ(18.7049, 8.5297, 95.2683)
contains.

XYZ(18.7116, 8.5431, 95.2705)	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(18.7116, 8.5431,
95.2705)**

Conversions

Conversions Part 1

Format	Color
Hex	0025FF
RGB	0, 37, 255
RGB Percent	0%, 15%, 100%
CMY	0.9997, 0.8549, 0.0000
CMYK	1.00, 0.85, 0.00, 0.00
HSL	231°, 100%, 50%
HSV	231°, 100%, 100%
XYZ	18.7116, 8.5431, 95.2705
YIQ	50.7890, -92.0300, 59.9540

Conversions

Conversions Part 2

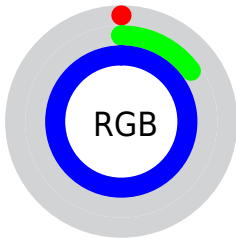
Format	Color
R _Y B	0, 32, 255
Decimal	9727
CIE Lab	35.09, 70.65, -103.21
CIE LCh	35, 125.075, 304.395
Yxy	8.5431, 0.1527, 0.0697
Android (android.graphics.Color)	4278199807 (0xFF0025FF)
YUV	50.7890, 100.6760, -44.5420
Hunter-Lab	29.2286, 63.1224, -172.7956

Details

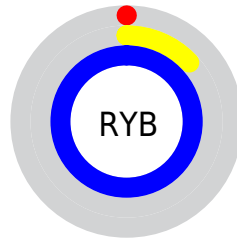
The XYZ color **18.7116, 8.5431, 95.2705** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **66.3355, 71.4504, 10.2974**, and the grayscale version is **3.0203, 3.1775, 3.4603**.

A 20% lighter version of the original color is **29.4519, 18.5254, 96.6312**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.7091, 8.5382, 95.2697**, and if you desaturate by 10%, it is **20.0190, 10.5414, 95.5873**.

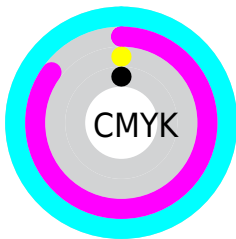
Distribution



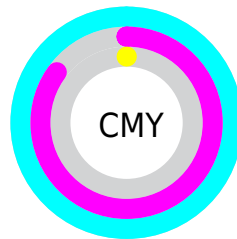
- Red (0%)
- Green (15%)
- Blue (100%)



- Red (0%)
- Yellow (13%)
- Blue (100%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7116, 8.5431, 95.2705 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 18.7116, 8.5431, 95.2705 by changing the saturation by 10% instead.


 18.7116, 8.5431,
95.2705


 18.7116, 8.5431,
95.2705


237.8208,
179.9319, 566.0370


 11.5648, 4.4444,
71.7620


 40.7669, 23.0165,
156.6371


 6.5182, 1.9251,
52.4786


 56.4061, 34.1599,
195.3322


 3.2063, 0.5634,
37.0019


 75.6068, 48.4203,
239.9266

 1.2638, 0.0000,
24.9131

 98.7344, 66.1822,
290.8389

 0.1558, 0.0000,
15.7939

 126.1542, 87.8299,
348.4875

 0.0000, 0.0000,
9.2257

 158.2317,

 0.0000, 0.0000,

113.7478, 413.2910

4.7898

195.3321,
144.3204, 485.6680

■ 0.0000, 0.0000,
2.0679

■ 0.0000, 0.0000,
0.5966

■ 18.7116, 8.5431,
95.2705

■ 18.7116, 8.5431,
95.2705

■ 18.7091, 8.5382,
95.2697

■ 20.0190, 10.5414,
95.5873

■ 22.3326, 13.7525,
96.0852

■ 25.8691, 18.3649,
96.7891

■ 30.7743, 24.5207,
97.7187

■ 37.1729, 32.3440,
98.8915

■ 45.1751, 41.9459,
100.3231

■ 54.8808, 53.4278,
102.0278

■ 66.3816, 66.8835,
104.0189

■ 79.7623, 82.4002,
106.3087

Harmonies

Analogous

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



9.2271, 8.5431, 131.1399



18.7116, 8.5431, 95.2705



28.0788, 8.5431, 39.0837

Triad

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



18.7116, 8.5431, 95.2705



15.6870, 8.5431, 0.0000



0.6479, 8.5431, 12.6810

Complementary

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



18.7116, 8.5431, 95.2705



66.3355, 71.4504, 10.2974

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.



0.9425, 8.5431, 0.4507



18.7116, 8.5431, 95.2705



7.1051, 8.5431, 0.0000

Square

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



18.7116, 8.5431, 95.2705



25.7232, 8.5431, 0.0000



2.5437, 8.5431, 0.0000



1.2180, 8.5431, 54.4407

Rectangle

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



18.7116, 8.5431, 95.2705



31.1395, 8.5431, 13.7335



2.5437, 8.5431, 0.0000



0.6535, 8.5431, 5.9439

Sweetspot

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



18.7123, 8.5431, 95.2705



54.8468, 53.3878, 102.0219



48.2545, 76.5179, 77.7098



10.8184, 10.3412, 21.6758



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.



18.7123, 8.5431, 95.2705



18.7091, 8.5382, 95.2697



22.1999, 9.3607, 95.2445



17.2152, 17.8019, 22.7787



9.8395, 4.5885, 49.8017



1.0185, 0.5677, 4.8692

Inverse Universe

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



41.5747, 21.3953, 3.6880



41.5727, 21.3931, 3.6819



51.4400, 79.6033, 12.6562



18.1165, 18.0299, 19.2306



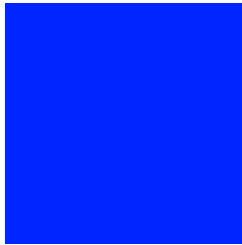
21.7547, 11.1912, 2.0928



2.1487, 1.1019, 0.3645

Previews

White Background



This preview shows how the XYZ color 18.7116, 8.5431, 95.2705 looks on a white background.

Color Contrast Check

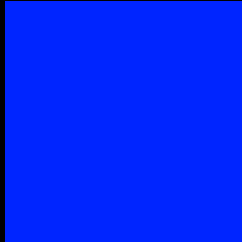
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7116, 8.5431, 95.2705 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 18.7116, 8.5431, 95.2705

Background



This preview shows how black text looks on a background with the XYZ color 18.7116, 8.5431, 95.2705.



This preview shows how white text looks on a background with the XYZ color 18.7116, 8.5431,

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

18.7116, 8.5431, 95.2705

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

7.9780, 8.2637, 26.3739



Tritanopia

5.8066, 8.3084, 12.1241

Trichromacy



Original Color

18.7116, 8.5431, 95.2705

Protanomaly

12.0264, 7.7440, 54.2870

Deuteranomaly

10.4507, 7.3917, 45.1319

Tritanomaly

8.0030, 6.8064, 31.0290

Monochromacy



Original Color

18.7116, 8.5431, 95.2705

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2743, 3.7417, 19.8463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7116, 8.5431, 95.2705 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(0, 37, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 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(0, 37, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.7116, 8.5431, 95.2705 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(0, 37, 255) }
```


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

```
.border{ border-color:rgb(0, 37, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 37, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 37, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 37, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7116, 8.5431, 95.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 255) }
```

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

```
.background{ background-color: rgb(0, 37,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor