

Converting Colors

XYZ(21.8188, 11.7613, 95.7279)

Have a look what the booklet for
XYZ(21.8188, 11.7613, 95.7279)
contains.

XYZ(21.8774, 11.8318, 95.7384)	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(21.8774, 11.8318,
95.7384)**

Conversions

Conversions Part 1

Format	Color
Hex	3F3FFF
RGB	63, 63, 255
RGB Percent	25%, 25%, 100%
CMY	0.7529, 0.7530, 0.0000
CMYK	0.75, 0.75, 0.00, 0.00
HSL	240°, 100%, 62%
HSV	240°, 75%, 100%
XYZ	21.8774, 11.8318, 95.7384
YIQ	84.8880, -61.6320, 59.7120

Conversions

Conversions Part 2

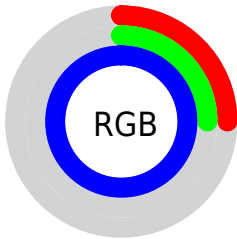
Format	Color
RYB	63, 63, 255
Decimal	4145151
CIELab	40.95, 60.96, -93.42
CIELCh	41, 111.549, 303.126
Yxy	11.8318, 0.1690, 0.0914
Android (android.graphics.Color)	4282335231 (0xFF3F3FFF)
YUV	84.8880, 83.8652, -19.1958
Hunter-Lab	34.3974, 53.3340, -140.9440

Details

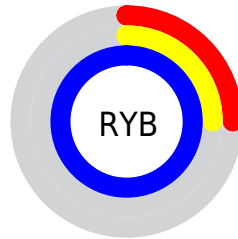
The XYZ color **21.8774, 11.8318, 95.7384** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **77.8908, 93.1356, 18.5739**, and the grayscale version is **8.4520, 8.8922, 9.6836**.

A 20% lighter version of the original color is **34.7148, 24.7436, 97.5541**, and **10.2095, 4.2942, 53.1141** is the 20% darker color. If you saturate the color by 10%, you get **19.5088, 8.9772, 95.3123**, and if you desaturate by 10%, it is **25.6538, 16.3811, 96.4175**.

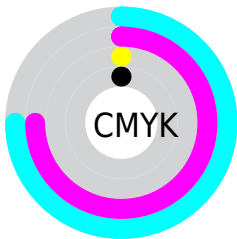
Distribution



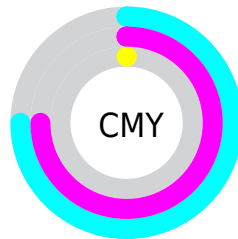
- Red (25%)
- Green (25%)
- Blue (100%)



- Red (25%)
- Yellow (25%)
- Blue (100%)



- Cyan (75%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8774, 11.8318, 95.7384 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 21.8774, 11.8318, 95.7384 by changing the saturation by 10% instead.

■ 21.8774, 11.8318,
95.7384

■ 21.8774, 11.8318,
95.7384

254.5498,
203.2886, 567.5708

■ 13.8829, 6.6293,
72.1494

■ 46.0236, 29.1884,
157.2887

■ 8.1205, 3.2313,
52.7932

■ 62.9061, 42.1112,
196.0871

■ 4.2246, 1.2537,
37.2511

■ 83.4820, 58.3763,
240.7923

■ 1.8300, 0.1049,
25.1046

■ 108.1167, 78.3679,
291.8230

■ 0.5356, 0.0000,
15.9353

■ 137.1754,
102.4706, 349.5977

■ 0.0000, 0.0000,
9.3245

■ 171.0236,

■ 0.0000, 0.0000,

131.0687, 414.5348

4.8538

210.0266,
164.5465, 487.0530

■ 0.0000, 0.0000,
2.1045

■ 0.0000, 0.0000,
0.6184

■ 21.8774, 11.8318,
95.7384

■ 21.8774, 11.8318,
95.7384

■ 19.5088, 8.9772,
95.3123

■ 25.6538, 16.3811,
96.4175

■ 18.3333, 7.5612,
95.1009

■ 31.0077, 22.8321,
97.3805

■ 18.0503, 7.2201,
95.0500

■ 38.0872, 31.3623,
98.6539

■ 47.0228, 42.1292,
100.2611

■ 57.9324, 55.2747,
102.2235

■ 70.9243, 70.9293,
104.5604

■ 86.0987, 89.2140,
107.2899

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



12.1028, 11.8318, 125.2707



21.8774, 11.8318, 95.7384



31.2146, 11.8318, 44.6684

Triad

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



21.8774, 11.8318, 95.7384



19.6972, 11.8318, 0.0000



1.8328, 11.8318, 15.4290

Complementary

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



21.8774, 11.8318, 95.7384



77.8908, 93.1356, 18.5739

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.



2.3645, 11.8318, 1.4830



21.8774, 11.8318, 95.7384



10.4302, 11.8318, 0.0000

Square

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



21.8774, 11.8318, 95.7384



29.5921, 11.8318, 0.6739



4.7757, 11.8318, 0.0000



2.6726, 11.8318, 54.8598

Rectangle

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



21.8774, 11.8318, 95.7384



34.3677, 11.8318, 18.8848



4.7757, 11.8318, 0.0000



1.8590, 11.8318, 8.3099

Sweetspot

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



21.8782, 11.8319, 95.7384



60.7264, 58.6414, 102.7260



55.8597, 79.7967, 107.0659



12.0673, 11.4303, 21.8202



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.



21.8782, 11.8319, 95.7384



18.8223, 8.1502, 95.1888



34.1251, 18.1455, 96.3116



17.0033, 17.3779, 22.7080



9.4317, 3.7727, 49.6657



0.9184, 0.3674, 4.8358

Inverse Universe

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



61.0646, 32.0336, 97.5578



59.6451, 29.1955, 97.0820



50.9549, 79.2496, 17.3133



18.7927, 18.3004, 22.7914



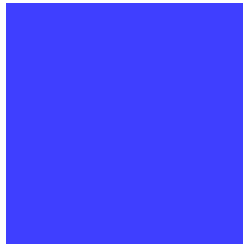
30.9784, 14.8807, 50.6642



3.0163, 1.4489, 4.9331

Previews

White Background



This preview shows how the XYZ color 21.8774, 11.8318, 95.7384 looks on a white background.

Color Contrast Check

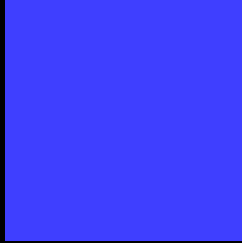
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.8774, 11.8318, 95.7384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8774, 11.8318, 95.7384

Background



This preview shows how black text looks on a background with the XYZ color 21.8774, 11.8318, 95.7384.



This preview shows how white text looks on a background with the XYZ color 21.8774, 11.8318,

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

21.8774, 11.8318, 95.7384

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

8.0787, 11.4779, 17.1189

Trichromacy



Original Color

21.8774, 11.8318, 95.7384

Protanomaly

15.6904, 11.0249, 66.2668

Deuteranomaly

13.7949, 10.7564, 54.7752

Tritanomaly

10.7104, 10.1748, 36.5214

Monochromacy



Original Color

21.8774, 11.8318, 95.7384

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.9809, 8.9921, 28.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8774, 11.8318, 95.7384 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(63, 63, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 63, 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(63, 63, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 63, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.8774, 11.8318, 95.7384 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(63, 63, 255) }
```


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

```
.border{ border-color:rgb(63, 63, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 63, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 63, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 63, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 63,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8774, 11.8318, 95.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 63, 255) }
```

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

```
.background{ background-color: rgb(63, 63,  
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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