

Converting Colors

XYZ(24.5572, 19.5665, 97.0901)

Have a look what the booklet for
XYZ(24.5572, 19.5665, 97.0901)
contains.

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Color

**XYZ(24.5193, 19.4876,
97.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	1B72FF
RGB	27, 114, 255
RGB Percent	11%, 45%, 100%
CMY	0.8940, 0.5529, 0.0000
CMYK	0.89, 0.55, 0.00, 0.00
HSL	217°, 100%, 55%
HSV	217°, 89%, 100%
XYZ	24.5193, 19.4876, 97.0769
YIQ	104.0610, -97.1130, 25.4070

Conversions

Conversions Part 2

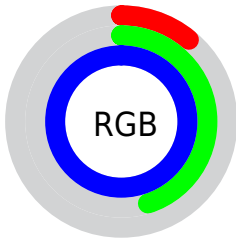
Format	Color
RYP	27, 90, 255
Decimal	1798911
CIELab	51.25, 28.41, -76.54
CIElCh	51, 81.642, 290.364
Yxy	19.4876, 0.1738, 0.1381
Android (android.graphics.Color)	4279988991 (0xFF1B72FF)
YUV	104.0610, 74.4129, -67.5825
Hunter-Lab	44.1448, 21.8908, -99.4808

Details

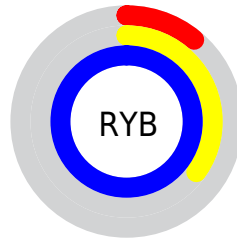
The XYZ color **24.5193, 19.4876, 97.0769** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **55.4478, 49.3583, 7.6438**, and the grayscale version is **13.0035, 13.6807, 14.8982**.

A 20% lighter version of the original color is **39.1129, 38.0522, 99.8911**, and **12.1452, 8.1655, 53.7593** is the 20% darker color. If you saturate the color by 10%, you get **22.4582, 16.0079, 96.5139**, and if you desaturate by 10%, it is **27.4463, 23.8690, 97.7683**.

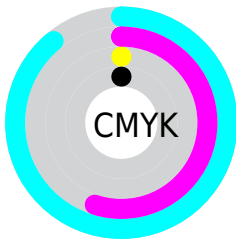
Distribution



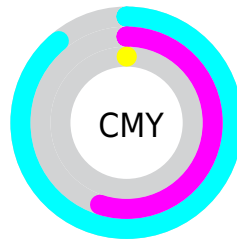
- Red (11%)
- Green (45%)
- Blue (100%)



- Red (11%)
- Yellow (35%)
- Blue (100%)



- Cyan (89%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5193, 19.4876, 97.0769 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 24.5193, 19.4876, 97.0769 by changing the saturation by 10% instead.

■ 24.5193, 19.4876,
97.0769

■ 24.5193, 19.4876,
97.0769

267.8275,
249.1275, 571.9461

■ 15.8461, 12.0231,
73.2584

■ 50.3248, 42.5564,
159.1510

■ 9.5055, 6.7594,
53.6942

■ 68.1879, 58.9296,
198.2436

■ 5.1321, 3.3121,
37.9657

■ 89.8449, 79.0411,
243.2648

■ 2.3605, 1.2968,
25.6544

■ 115.6613,
103.2753, 294.6329

■ 0.8254, 0.1387,
16.3419

■ 146.0024,
132.0167, 352.7665

■ 0.0000, 0.0000,
9.6094

181.2336,

■ 0.0000, 0.0000,

165.6496, 418.0842

5.0386

221.7202,
204.5584, 491.0046

■ 0.0000, 0.0000,
2.2108

■ 0.0000, 0.0000,
0.6806

■ 24.5193, 19.4876,
97.0769

■ 24.5193, 19.4876,
97.0769

■ 22.4582, 16.0079,
96.5139

■ 27.4463, 23.8690,
97.7683

■ 22.3503, 15.8206,
96.4834

■ 31.4036, 29.2588,
98.6001

■ 36.5055, 35.7359,
99.5814

■ 42.8485, 43.3694,
100.7205

■ 50.5181, 52.2214,
102.0249

■ 59.5916, 62.3490,
103.5015

■ 70.1400, 73.8053,
105.1568

■ 82.2294, 86.6401,
106.9970

■ 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.



16.0242, 19.4876, 103.1771



24.5193, 19.4876, 97.0769



33.3775, 19.4876, 64.5745

Triad

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



24.5193, 19.4876, 97.0769



30.4067, 19.4876, 2.0354



6.9809, 19.4876, 14.5656

Complementary

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



24.5193, 19.4876, 97.0769



55.4478, 49.3583, 7.6438

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.



8.8953, 19.4876, 3.5466



24.5193, 19.4876, 97.0769



21.2675, 19.4876, 0.5507

Square

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



24.5193, 19.4876, 97.0769



37.4090, 19.4876, 9.1315



13.5929, 19.4876, 0.8269



7.3835, 19.4876, 40.9483

Rectangle

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



24.5193, 19.4876, 97.0769



37.5177, 19.4876, 40.1253



13.5929, 19.4876, 0.8269



7.3468, 19.4876, 9.4396

Sweetspot

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



24.5202, 19.4880, 97.0770



61.9835, 64.9725, 103.8818



43.2449, 74.5663, 48.9711



12.5434, 13.1120, 22.1197



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.



24.5202, 19.4880, 97.0770



22.3503, 15.8206, 96.4834



19.9444, 8.7797, 95.2512



17.5710, 18.5135, 22.8973



11.8113, 8.5321, 50.4589



1.2516, 1.0338, 4.9469

Inverse Universe

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



44.6700, 23.2604, 18.0548



43.4106, 22.1282, 13.3602



68.0816, 88.1595, 14.4673



18.2961, 18.1017, 20.1763



22.7500, 11.5893, 7.3338



2.2663, 1.1489, 0.9840

Previews

White Background



This preview shows how the XYZ color 24.5193, 19.4876, 97.0769 looks on a white background.

Color Contrast Check

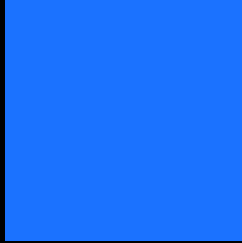
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.5193, 19.4876, 97.0769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

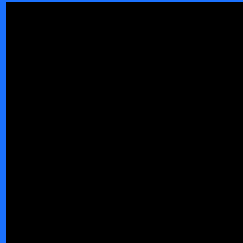
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

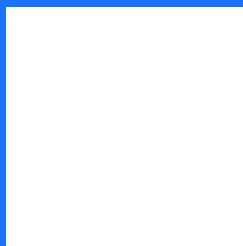
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5193, 19.4876, 97.0769

Background



This preview shows how black text looks on a background with the XYZ color 24.5193, 19.4876, 97.0769.



This preview shows how white text looks on a background with the XYZ color 24.5193, 19.4876,

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

24.5193, 19.4876, 97.0769

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.2179, 19.2194, 65.6476



Tritanopia

13.6219, 19.3111, 28.9961

Trichromacy



Original Color

24.5193, 19.4876, 97.0769

Protanomaly

23.7832, 19.5203, 93.7811

Deuteranomaly

20.8452, 19.0989, 75.9866

Tritanomaly

16.3663, 18.7040, 48.0950

Monochromacy



Original Color

24.5193, 19.4876, 97.0769

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6011, 14.7648, 34.8812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5193, 19.4876, 97.0769 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(27, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 114, 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(27, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.5193, 19.4876, 97.0769 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(27, 114, 255) }
```


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

```
.border{ border-color:rgb(27, 114, 255) }
```

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

Here you see how a box with a 4 pixel rgb(27, 114, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5193, 19.4876, 97.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 114, 255) }
```

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

```
.background{ background-color: rgb(27, 114,  
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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