

Converting Colors

XYZ(24.9430, 18.3559,
154.4218)

Have a look what the booklet for
XYZ(24.9430, 18.3559, 154.4218)
contains.

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Color

**XYZ(24.0673, 19.2546,
97.0558)**

Conversions

Conversions Part 1

Format	Color
Hex	0072FF
RGB	0, 114, 255
RGB Percent	0%, 45%, 100%
CMY	0.9997, 0.5529, 0.0000
CMYK	1.00, 0.55, 0.00, 0.00
HSL	213°, 100%, 50%
HSV	213°, 100%, 100%
XYZ	24.0673, 19.2546, 97.0558
YIQ	95.9880, -113.2050, 19.6830

Conversions

Conversions Part 2

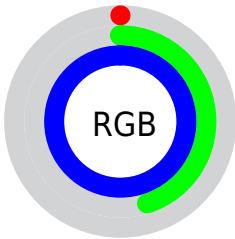
Format	Color
R _Y B	0, 79, 255
Decimal	29439
CIE Lab	50.98, 27.60, -76.99
CIE LCh	51, 81.788, 289.723
Yxy	19.2546, 0.1714, 0.1372
Android (android.graphics.Color)	4278219519 (0xFF0072FF)
YUV	95.9880, 78.3929, -84.1815
Hunter-Lab	43.8801, 21.1134, -100.4241

Details

The XYZ color **24.0673, 19.2546, 97.0558** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **50.7765, 40.3324, 5.1109**, and the grayscale version is **10.9569, 11.5275, 12.5534**.

A 20% lighter version of the original color is **38.3152, 37.6410, 99.8537**, and **12.1452, 8.1655, 53.7593** is the 20% darker color. If you saturate the color by 10%, you get **24.0625, 19.2451, 97.0542**, and if you desaturate by 10%, it is **26.1980, 22.8995, 97.6470**.

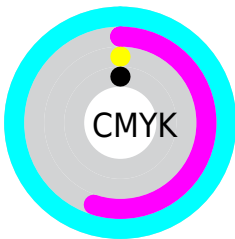
Distribution



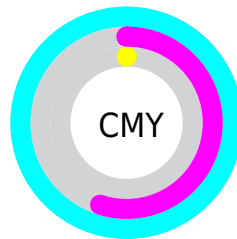
- Red (0%)
- Green (45%)
- Blue (100%)



- Red (0%)
- Yellow (31%)
- Blue (100%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0673, 19.2546, 97.0558 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 24.0673, 19.2546, 97.0558 by changing the saturation by 10% instead.

■ 24.0673, 19.2546,
97.0558

■ 24.0673, 19.2546,
97.0558

265.5947,
247.8507, 571.8773

■ 15.5086, 11.8544,
73.2409

■ 49.5939, 42.1639,
159.1217

■ 9.2657, 6.6446,
53.6799

■ 67.2924, 58.4417,
198.2097

■ 4.9734, 3.2409,
37.9544

■ 88.7683, 78.4476,
243.2258

■ 2.2663, 1.2587,
25.6457

■ 114.3868,
102.5658, 294.5886

■ 0.7773, 0.1089,
16.3354

■ 144.5134,
131.1809, 352.7166

■ 0.0000, 0.0000,
9.6049

179.5133,

■ 0.0000, 0.0000,

164.6771, 418.0284

5.0356

219.7520,
203.4389, 490.9424

■ 0.0000, 0.0000,
2.2091

■ 0.0000, 0.0000,
0.6796

■ 24.0673, 19.2546,
97.0558

■ 24.0673, 19.2546,
97.0558

■ 24.0625, 19.2451,
97.0542

■ 26.1980, 22.8995,
97.6470

■ 29.1230, 27.3337,
98.3487

■ 33.0174, 32.6621,
99.1719

■ 37.9910, 38.9551,
100.1245

■ 44.1373, 46.2741,
101.2133

■ 51.5384, 54.6741,
102.4445

■ 60.2687, 64.2056,
103.8242

■ 70.3962, 74.9152,
105.3575

■ 81.9840, 86.8466,
107.0498

Harmonies

Analogous

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



15.6641, 19.2546, 102.4253



24.0673, 19.2546, 97.0558



32.9156, 19.2546, 64.9555

Triad

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



24.0673, 19.2546, 97.0558



30.3091, 19.2546, 2.0367



6.8670, 19.2546, 13.9803

Complementary

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



24.0673, 19.2546, 97.0558



50.7765, 40.3324, 5.1109

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.



8.8150, 19.2546, 3.3412



24.0673, 19.2546, 97.0558



21.2182, 19.2546, 0.5192

Square

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



24.0673, 19.2546, 97.0558



37.1920, 19.2546, 9.2396



13.5381, 19.2546, 0.7630



7.2176, 19.2546, 39.8754

Rectangle

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



24.0673, 19.2546, 97.0558



37.1096, 19.2546, 40.4995



13.5381, 19.2546, 0.7630



7.2453, 19.2546, 9.0074

Sweetspot

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



24.0682, 19.2550, 97.0558



60.2407, 64.1756, 103.8198



40.5156, 73.4223, 36.9575



12.0709, 12.8462, 22.0933



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.



24.0682, 19.2550, 97.0558



24.0625, 19.2451, 97.0542



18.2142, 7.3059, 95.0579



17.6713, 18.7142, 22.9308



12.7170, 10.3436, 50.7608



1.3453, 1.2212, 4.9781

Inverse Universe

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



44.2781, 22.4765, 17.9241



44.2748, 22.4739, 17.9113



72.4655, 90.4424, 13.6400



18.3467, 18.1220, 20.4431



23.2072, 11.7722, 9.7413



2.3136, 1.1678, 1.2330

Previews

White Background



This preview shows how the XYZ color 24.0673, 19.2546, 97.0558 looks on a white background.

Color Contrast Check

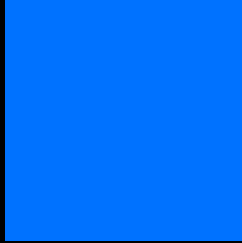
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0673, 19.2546, 97.0558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

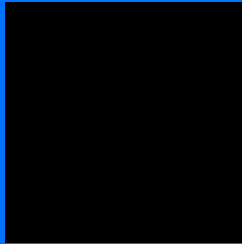
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

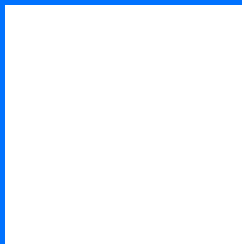
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0673, 19.2546, 97.0558

Background



This preview shows how black text looks on a background with the XYZ color 24.0673, 19.2546, 97.0558.



This preview shows how white text looks on a background with the XYZ color 24.0673, 19.2546,

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

24.0673, 19.2546, 97.0558

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.2179, 19.2194, 65.6476



Tritanopia

13.4076, 19.0032, 28.5525

Trichromacy



Original Color

24.0673, 19.2546, 97.0558

Protanomaly

23.3861, 19.1636, 92.9088

Deuteranomaly

20.7201, 19.0344, 75.9807

Tritanomaly

16.1366, 18.5976, 47.5390

Monochromacy



Original Color

24.0673, 19.2546, 97.0558

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.6075, 13.0257, 32.4216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0673, 19.2546, 97.0558 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, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.0673, 19.2546, 97.0558 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, 114, 255) }
```


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

```
.border{ border-color:rgb(0, 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(0, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0673, 19.2546, 97.0558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 255) }
```

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

```
.background{ background-color: rgb(0, 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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