

Converting Colors

XYZ(13.9844, 14.7135,
105.7834)

Have a look what the booklet for
XYZ(13.9844, 14.7135, 105.7834)
contains.

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Color

**XYZ(24.6468, 20.4137,
97.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	0077FF
RGB	0, 119, 255
RGB Percent	0%, 47%, 100%
CMY	0.9997, 0.5333, 0.0000
CMYK	1.00, 0.53, 0.00, 0.00
HSL	212°, 100%, 50%
HSV	212°, 100%, 100%
XYZ	24.6468, 20.4137, 97.2489
YIQ	98.9230, -114.5800, 17.0680

Conversions

Conversions Part 2

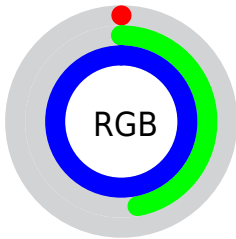
Format	Color
R _Y B	0, 81, 255
Decimal	30719
CIE Lab	52.30, 24.44, -74.85
CIE LCh	52, 78.734, 288.083
Yxy	20.4137, 0.1732, 0.1434
Android (android.graphics.Color)	4278220799 (0xFF0077FF)
YUV	98.9230, 76.9460, -86.7555
Hunter-Lab	45.1815, 18.3052, -95.9890

Details

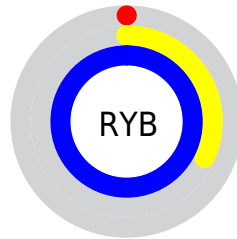
The XYZ color **24.6468, 20.4137, 97.2489** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **50.0546, 38.8887, 4.8702**, and the grayscale version is **11.6795, 12.2877, 13.3813**.

A 20% lighter version of the original color is **39.2348, 39.4802, 100.1603**, and **12.3954, 8.6659, 53.8427** is the 20% darker color. If you saturate the color by 10%, you get **24.6423, 20.4046, 97.2474**, and if you desaturate by 10%, it is **26.7986, 24.1008, 97.8472**.

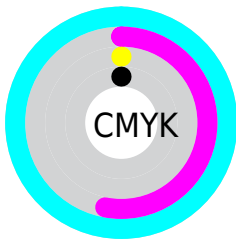
Distribution



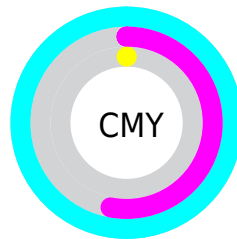
- Red (0%)
- Green (47%)
- Blue (100%)



- Red (0%)
- Yellow (32%)
- Blue (100%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6468, 20.4137, 97.2489 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 24.6468, 20.4137, 97.2489 by changing the saturation by 10% instead.

■ 24.6468, 20.4137,
97.2489

■ 24.6468, 20.4137,
97.2489

268.4546,
254.1460, 572.5070

■ 15.9414, 12.6961,
73.4010

■ 50.5307, 44.1097,
159.3901

■ 9.5733, 7.2196,
53.8101

■ 68.4399, 60.8569,
198.5205

■ 5.1771, 3.5998,
38.0577

■ 90.1478, 81.3828,
243.5820

■ 2.3873, 1.4523,
25.7253

■ 116.0197,
106.0717, 294.9934

■ 0.8388, 0.2548,
16.3943

■ 146.4210,
135.3081, 353.1730

■ 0.0000, 0.0000,
9.6462

181.7170,

■ 0.0000, 0.0000,

169.4764, 418.5394

5.0625

222.2731,
208.9609, 491.5113

■ 0.0000, 0.0000,
2.2246

■ 0.0000, 0.0000,
0.6885

■ 24.6468, 20.4137,
97.2489

■ 24.6468, 20.4137,
97.2489

■ 24.6423, 20.4046,
97.2474

■ 26.7986, 24.1008,
97.8472

■ 29.7298, 28.5476,
98.5510

■ 33.6143, 33.8564,
99.3710

■ 38.5610, 40.0957,
100.3146

■ 44.6622, 47.3249,
101.3884

■ 51.9993, 55.5970,
102.5984

■ 60.6456, 64.9608,
103.9501

■ 70.6684, 75.4612,
105.4486

■ 82.1299, 87.1404,
107.0988

Harmonies

Analogous

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



16.3625, 20.4137, 100.6075



24.6468, 20.4137, 97.2489



33.4443, 20.4137, 67.2933

Triad

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



24.6468, 20.4137, 97.2489



31.7706, 20.4137, 2.8201



7.8092, 20.4137, 14.2338

Complementary

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



24.6468, 20.4137, 97.2489



50.0546, 38.8887, 4.8702

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.



9.9713, 20.4137, 3.7660



24.6468, 20.4137, 97.2489



22.7977, 20.4137, 0.9185

Square

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



24.6468, 20.4137, 97.2489



38.2814, 20.4137, 11.0619



14.9606, 20.4137, 1.0758



8.0479, 20.4137, 39.1360

Rectangle

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



24.6468, 20.4137, 97.2489



37.7239, 20.4137, 43.3658



14.9606, 20.4137, 1.0758



8.2476, 20.4137, 9.3937

Sweetspot

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



24.6477, 20.4142, 97.2490



60.6194, 64.9329, 103.9461



40.2072, 73.2990, 35.3340



12.1600, 13.0244, 22.1230



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.



24.6477, 20.4142, 97.2490



24.6423, 20.4046, 97.2474



18.1580, 7.2769, 95.0553



17.7016, 18.7748, 22.9409



13.0223, 10.9543, 50.8626



1.3760, 1.2828, 4.9883

Inverse Universe

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



44.5706, 22.5935, 19.4647



44.5675, 22.5910, 19.4523



73.9429, 91.2040, 13.7090



18.3620, 18.1281, 20.5235



23.3613, 11.8338, 10.5529



2.3292, 1.1740, 1.3148

Previews

White Background



This preview shows how the XYZ color 24.6468, 20.4137, 97.2489 looks on a white background.

Color Contrast Check

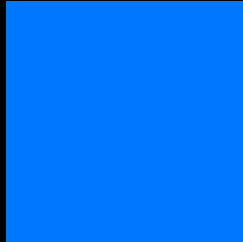
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6468, 20.4137, 97.2489 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

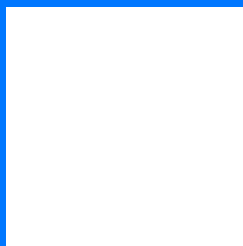
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6468, 20.4137, 97.2489

Background



This preview shows how black text looks on a background with the XYZ color 24.6468, 20.4137, 97.2489.



This preview shows how white text looks on a background with the XYZ color 24.6468, 20.4137,

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

24.6468, 20.4137, 97.2489

Protanopia

24.4862, 20.3494, 96.4032

Deuteranopia

20.3756, 20.2932, 69.8609



Tritanopia

14.2768, 20.2523, 30.3507

Trichromacy



Original Color

24.6468, 20.4137, 97.2489

Protanomaly

24.4862, 20.3494, 96.4032

Deuteranomaly

21.7731, 20.2415, 79.1034

Tritanomaly

16.9792, 19.7778, 49.3770

Monochromacy



Original Color

24.6468, 20.4137, 97.2489

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.2047, 13.7651, 33.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6468, 20.4137, 97.2489 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, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 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, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.6468, 20.4137, 97.2489 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, 119, 255) }
```


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

```
.border{ border-color:rgb(0, 119, 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, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6468, 20.4137, 97.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 255) }
```

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

```
.background{ background-color: rgb(0, 119,  
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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