

Converting Colors

XYZ(17.0376, 16.4865, 96.0883)

Have a look what the booklet for
XYZ(17.0376, 16.4865, 96.0883)
contains.

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Color

**XYZ(24.4862, 20.3494,
96.4032)**

Conversions

Conversions Part 1

Format	Color
Hex	0077FE
RGB	0, 119, 254
RGB Percent	0%, 47%, 100%
CMY	0.9997, 0.5333, 0.0039
CMYK	1.00, 0.53, 0.00, 0.00
HSL	212°, 100%, 50%
HSV	212°, 100%, 100%
XYZ	24.4862, 20.3494, 96.4032
YIQ	98.8090, -114.2590, 16.7570

Conversions

Conversions Part 2

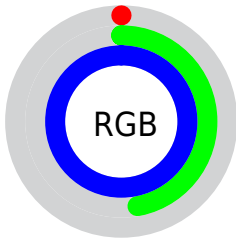
Format	Color
R _{YB}	0, 81, 254
Decimal	30718
CIE _{Lab}	52.23, 24.05, -74.41
CIE _{LCh}	52, 78.200, 287.915
Yxy	20.3494, 0.1734, 0.1441
Android (android.graphics.Color)	4278220798 (0xFF0077FE)
YUV	98.8090, 76.5092, -86.6555
Hunter-Lab	45.1103, 17.9480, -95.1288

Details

The XYZ color **24.4862, 20.3494, 96.4032** 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 **49.5481, 38.4199, 4.8064**, and the grayscale version is **11.6522, 12.2590, 13.3500**.

A 20% lighter version of the original color is **39.2348, 39.4802, 100.1603**, and **12.2812, 8.6203, 53.2411** is the 20% darker color. If you saturate the color by 10%, you get **24.4816, 20.3401, 96.4022**, and if you desaturate by 10%, it is **26.6220, 24.0081, 96.9974**.

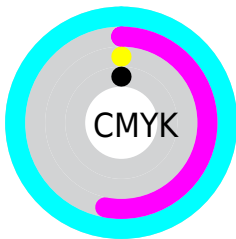
Distribution



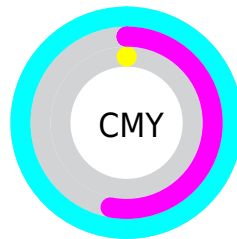
- Red (0%)
- Green (47%)
- Blue (100%)



- 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 24.4862, 20.3494, 96.4032 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 24.4862, 20.3494, 96.4032 by changing the saturation by 10% instead.

■ 24.4862, 20.3494,
96.4032

■ 24.4862, 20.3494,
96.4032

267.6645,
253.8004, 569.7462

■ 15.8214, 12.6493,
72.7001

■ 50.2714, 44.0022,
158.2140

■ 9.4879, 7.1875,
53.2404

■ 68.1224, 60.7237,
197.1587

■ 5.1204, 3.5796,
37.6057

■ 89.7662, 81.2211,
242.0211

■ 2.3536, 1.4413,
25.3774

■ 115.5682,
105.8787, 293.2196

■ 0.8219, 0.2469,
16.1368

■ 145.8937,
135.0811, 351.1728

■ 0.0000, 0.0000,
9.4656

181.1080,

■ 0.0000, 0.0000,

169.2126, 416.2993

4.9452

221.5764,
208.6576, 489.0176

■ 0.0000, 0.0000,
2.1570

■ 0.0000, 0.0000,
0.6494

■ 24.4862, 20.3494,
96.4032

■ 24.4862, 20.3494,
96.4032

■ 24.4816, 20.3401,
96.4022

■ 26.6220, 24.0081,
96.9974

■ 29.5285, 28.4165,
97.6951

■ 33.3782, 33.6763,
98.5074

■ 38.2788, 39.8548,
99.4417

■ 44.3216, 47.0108,
100.5045

■ 51.5872, 55.1967,
101.7016

■ 60.1481, 64.4605,
103.0384

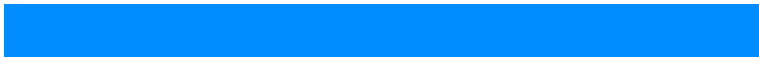
■ 70.0708, 74.8466,
104.5202

■ 81.4170, 86.3966,
106.1515

Harmonies

Analogous

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



16.2877, 20.3494, 99.5364



24.4862, 20.3494, 96.4032



33.2003, 20.3494, 66.9275

Triad

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



24.4862, 20.3494, 96.4032



31.6349, 20.3494, 2.8817



7.8373, 20.3494, 14.1336

Complementary

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



24.4862, 20.3494, 96.4032



49.5481, 38.4199, 4.8064

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.



10.0020, 20.3494, 3.7767



24.4862, 20.3494, 96.4032



22.7549, 20.3494, 0.9497

Square

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



24.4862, 20.3494, 96.4032



38.0499, 20.3494, 11.1549



14.9731, 20.3494, 1.0995



8.0618, 20.3494, 38.7178

Rectangle

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



24.4862, 20.3494, 96.4032



37.4502, 20.3494, 43.2691



14.9731, 20.3494, 1.0995



8.2780, 20.3494, 9.3498

Sweetspot

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



24.4872, 20.3499, 96.4038



60.6549, 65.0039, 103.9579



39.5580, 72.5305, 33.4835



12.1683, 13.0412, 22.1258



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.



24.4872, 20.3499, 96.4038



24.6979, 20.5159, 97.2660



17.9442, 7.1852, 94.2076



17.7044, 18.7804, 22.9418



13.0516, 11.0128, 50.8724



1.3790, 1.2887, 4.9893

Inverse Universe

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



44.2039, 22.4045, 19.4474



44.5956, 22.6022, 19.6002



74.7839, 91.1655, 13.6573



18.3634, 18.1287, 20.5311



23.3761, 11.8397, 10.6307



2.3307, 1.1746, 1.3226

Previews

White Background



This preview shows how the XYZ color 24.4862, 20.3494, 96.4032 looks on a white background.

Color Contrast Check

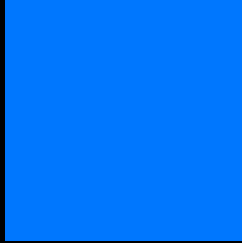
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4862, 20.3494, 96.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

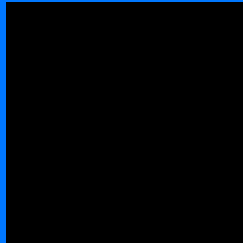
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

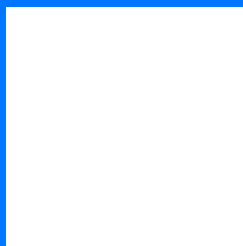
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4862, 20.3494, 96.4032

Background



This preview shows how black text looks on a background with the XYZ color 24.4862, 20.3494, 96.4032.



This preview shows how white text looks on a background with the XYZ color 24.4862, 20.3494,

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

24.4862, 20.3494, 96.4032

Protanopia

24.4862, 20.3494, 96.4032

Tritanopia

14.2768, 20.2523, 30.3507

Trichromacy



Original Color

24.4862, 20.3494, 96.4032

Protanomaly

24.4862, 20.3494, 96.4032

Tritanomaly

16.8733, 19.7354, 48.8189

Monochromacy



Original Color

24.4862, 20.3494, 96.4032

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.1203, 13.7314, 32.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4862, 20.3494, 96.4032 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 254) }
```

Border

The CSS property to change the border of an element to XYZ 24.4862, 20.3494, 96.4032 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, 254) }
```

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

```
.border{ border-color:rgb(0, 119, 254) }
```

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, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
254) }
```


Background

The CSS property to change the background color of an element to XYZ 24.4862, 20.3494, 96.4032 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, 254) }
```

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

```
.background{ background-color: rgb(0, 119,  
254) }
```

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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