

Converting Colors

XYZ(18.9480, 16.5435,
134.8430)

Have a look what the booklet for
XYZ(18.9480, 16.5435, 134.8430)
contains.

XYZ(24.5284, 20.1769, 97.2095)	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(24.5284, 20.1769,
97.2095)**

Conversions

Conversions Part 1

Format	Color
Hex	0076FF
RGB	0, 118, 255
RGB Percent	0%, 46%, 100%
CMY	0.9997, 0.5373, 0.0000
CMYK	1.00, 0.54, 0.00, 0.00
HSL	212°, 100%, 50%
HSV	212°, 100%, 100%
XYZ	24.5284, 20.1769, 97.2095
YIQ	98.3360, -114.3050, 17.5910

Conversions

Conversions Part 2

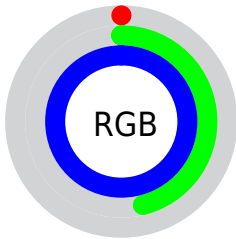
Format	Color
R _{YB}	0, 81, 255
Decimal	30463
CIE Lab	52.04, 25.07, -75.28
CIE LCh	52, 79.341, 288.420
Yxy	20.1769, 0.1728, 0.1422
Android (android.graphics.Color)	4278220543 (0xFF0076FF)
YUV	98.3360, 77.2354, -86.2407
Hunter-Lab	44.9187, 18.8643, -96.8676

Details

The XYZ color **24.5284, 20.1769, 97.2095** 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 **50.1961, 39.1716, 4.9173**, and the grayscale version is **11.5327, 12.1332, 13.2131**.

A 20% lighter version of the original color is **39.0480, 39.1066, 100.0980**, and **12.3313, 8.5377, 53.8213** is the 20% darker color. If you saturate the color by 10%, you get **24.5240, 20.1679, 97.2080**, and if you desaturate by 10%, it is **26.6763, 23.8563, 97.8065**.

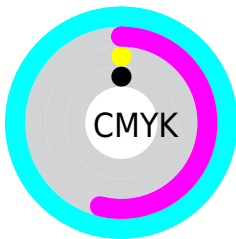
Distribution



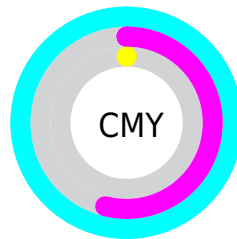
- Red (0%)
- Green (46%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5284, 20.1769, 97.2095 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 24.5284, 20.1769, 97.2095 by changing the saturation by 10% instead.

■ 24.5284, 20.1769,
97.2095

■ 24.5284, 20.1769,
97.2095

267.8723,
252.8712, 572.3786

■ 15.8529, 12.5237,
73.3683

■ 50.3395, 43.7136,
159.3353

■ 9.5103, 7.1014,
53.7835

■ 68.2059, 60.3658,
198.4571

■ 5.1353, 3.5256,
38.0366

■ 89.8666, 80.7866,
243.5094

■ 2.3624, 1.4119,
25.7091

■ 115.6869,
105.3602, 294.9108

■ 0.8263, 0.2255,
16.3823

■ 146.0323,
134.4710, 353.0799

■ 0.0000, 0.0000,
9.6378

181.2681,

■ 0.0000, 0.0000,

168.5036, 418.4352

5.0570

221.7596,
207.8421, 491.3952

■ 0.0000, 0.0000,
2.2214

■ 0.0000, 0.0000,
0.6867

■ 24.5284, 20.1769,
97.2095

■ 24.5284, 20.1769,
97.2095

■ 24.5240, 20.1679,
97.2080

■ 26.6763, 23.8563,
97.8065

■ 29.6066, 28.3013,
98.5100

■ 33.4934, 33.6146,
99.3307

■ 38.4457, 39.8652,
100.2762

■ 44.5561, 47.1129,
101.3531

■ 51.9061, 55.4110,
102.5674

■ 60.5693, 64.8086,
103.9247

■ 70.6131, 75.3510,
105.4302

■ 82.0998, 87.0807,
107.0889

Harmonies

Analogous

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



16.2197, 20.1769, 100.9673



24.5284, 20.1769, 97.2095



33.3363, 20.1769, 66.8210

Triad

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



24.5284, 20.1769, 97.2095



31.4735, 20.1769, 2.6493



7.6134, 20.1769, 14.1809

Complementary

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



24.5284, 20.1769, 97.2095



50.1961, 39.1716, 4.9173

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.



9.7316, 20.1769, 3.6775



24.5284, 20.1769, 97.2095



22.4747, 20.1769, 0.8384

Square

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



24.5284, 20.1769, 97.2095



38.0604, 20.1769, 10.6793



14.6676, 20.1769, 1.0104



7.8761, 20.1769, 39.2801

Rectangle

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



24.5284, 20.1769, 97.2095



37.5988, 20.1769, 42.7817



14.6676, 20.1769, 1.0104



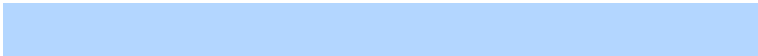
8.0394, 20.1769, 9.3141

Sweetspot

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



24.5293, 20.1773, 97.2095



60.5434, 64.7810, 103.9207



40.2072, 73.2990, 35.3338



12.1421, 12.9887, 22.1171



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.



24.5293, 20.1773, 97.2095



24.5240, 20.1679, 97.2080



18.1580, 7.2768, 95.0553



17.6955, 18.7627, 22.9388



12.9601, 10.8297, 50.8419



1.3698, 1.2703, 4.9863

Inverse Universe

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



44.5108, 22.5695, 19.1499



44.5078, 22.5671, 19.1378



73.9429, 91.2040, 13.7090



18.3590, 18.1269, 20.5074



23.3298, 11.8212, 10.3874



2.3260, 1.1728, 1.2982

Previews

White Background



This preview shows how the XYZ color 24.5284, 20.1769, 97.2095 looks on a white background.

Color Contrast Check

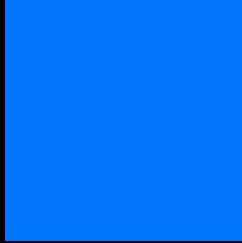
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5284, 20.1769, 97.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

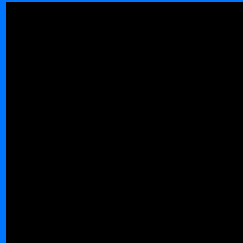
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

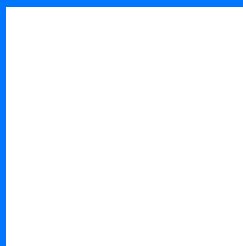
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5284, 20.1769, 97.2095

Background



This preview shows how black text looks on a background with the XYZ color 24.5284, 20.1769, 97.2095.



This preview shows how white text looks on a background with the XYZ color 24.5284, 20.1769,

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

24.5284, 20.1769, 97.2095

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.1157, 19.9837, 69.1267



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

24.5284, 20.1769, 97.2095

Protanomaly

24.4862, 20.3494, 96.4032

Deuteranomaly

21.5068, 19.9354, 78.3157

Tritanomaly

16.8456, 19.5104, 49.3324

Monochromacy



Original Color

24.5284, 20.1769, 97.2095

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9546, 13.4938, 32.9321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5284, 20.1769, 97.2095 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, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.5284, 20.1769, 97.2095 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, 118, 255) }
```


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

```
.border{ border-color:rgb(0, 118, 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, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5284, 20.1769, 97.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 255) }
```

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

```
.background{ background-color: rgb(0, 118,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor