

Converting Colors

XYZ(25.7300, 22.3903, 97.5734)

Have a look what the booklet for
XYZ(25.7300, 22.3903, 97.5734)
contains.

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Color

**XYZ(25.7645, 22.4633,
97.5856)**

Conversions

Conversions Part 1

Format	Color
Hex	0A7FFF
RGB	10, 127, 255
RGB Percent	4%, 50%, 100%
CMY	0.9605, 0.5020, 0.0000
CMYK	0.96, 0.50, 0.00, 0.00
HSL	211°, 100%, 52%
HSV	211°, 96%, 100%
XYZ	25.7645, 22.4633, 97.5856
YIQ	106.6090, -110.8200, 15.0040

Conversions

Conversions Part 2

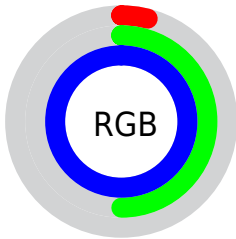
Format	Color
R _Y B	10, 89, 255
Decimal	688127
CIE Lab	54.52, 19.65, -71.25
CIE LCh	55, 73.910, 285.416
Yxy	22.4633, 0.1767, 0.1541
Android (android.graphics.Color)	4278878207 (0xFF0A7FFF)
YUV	106.6090, 73.1568, -84.7261
Hunter-Lab	47.3955, 14.0918, -88.8992

Details

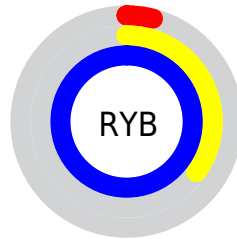
The XYZ color **25.7645, 22.4633, 97.5856** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **50.3937, 39.4792, 5.2534**, and the grayscale version is **13.6998, 14.4133, 15.6961**.

A 20% lighter version of the original color is **41.1095, 43.0376, 100.7481**, and **12.8740, 9.6232, 54.0022** is the 20% darker color. If you saturate the color by 10%, you get **24.9773, 21.0747, 97.3591**, and if you desaturate by 10%, it is **28.1886, 26.4392, 98.2253**.

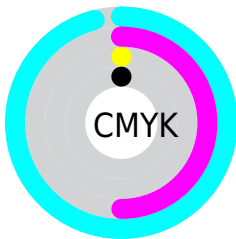
Distribution



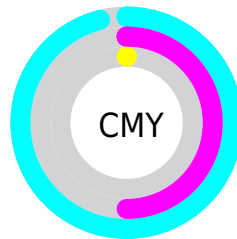
- Red (4%)
- Green (50%)
- Blue (100%)



- Red (4%)
- Yellow (35%)
- Blue (100%)



- Cyan (96%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7645, 22.4633, 97.5856 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 25.7645, 22.4633, 97.5856 by changing the saturation by 10% instead.

■ 25.7645, 22.4633,
97.5856

■ 25.7645, 22.4633,
97.5856

273.9021,
264.9563, 573.6042

■ 16.7793, 14.1977,
73.6801

■ 52.3288, 47.5105,
159.8581

■ 10.1716, 8.2583,
54.0371

■ 70.6386, 65.0610,
199.0622

■ 5.5760, 4.2607,
38.2379

■ 92.7873, 86.4752,
244.2028

■ 2.6272, 1.8204,
25.8641

■ 119.1403,
112.1376, 295.6987

■ 0.9598, 0.4999,
16.4972

■ 150.0629,
142.4324, 353.9682

■ 0.0000, 0.0000,
9.7185

185.9205,

■ 0.0000, 0.0000,

177.7443, 419.4299

5.1096

227.0784,
218.4574, 492.5024

■ 0.0000, 0.0000,
2.2518

■ 0.0000, 0.0000,
0.7040

■ 25.7645, 22.4633,
97.5856

■ 25.7645, 22.4633,
97.5856

■ 24.9773, 21.0747,
97.3591

■ 28.1886, 26.4392,
98.2253

■ 31.4772, 31.2111,
98.9731

■ 35.7554, 36.8554,
99.8370

■ 41.1241, 43.4354,
100.8241

■ 47.6703, 51.0066,
101.9405

■ 55.4714, 59.6193,
103.1918

■ 64.5978, 69.3197,
104.5831

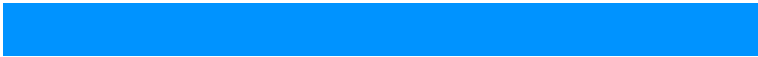
■ 75.1142, 80.1508,
106.1195

■ 87.0810, 92.1530,
107.8054

Harmonies

Analogous

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



17.6641, 22.4633, 98.0080



25.7645, 22.4633, 97.5856



34.4761, 22.4633, 71.0335

Triad

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



25.7645, 22.4633, 97.5856



34.2564, 22.4633, 4.4590



9.5461, 22.4633, 14.8583

Complementary

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



25.7645, 22.4633, 97.5856



50.3937, 39.4792, 5.2534

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.



12.0678, 22.4633, 4.6079



25.7645, 22.4633, 97.5856



25.5176, 22.4633, 1.7063

Square

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



25.7645, 22.4633, 97.5856



40.1607, 22.4633, 14.4139



17.4722, 22.4633, 1.7349



9.5804, 22.4633, 38.3360

Rectangle

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



25.7645, 22.4633, 97.5856



38.8772, 22.4633, 48.1055



17.4722, 22.4633, 1.7349



10.0882, 22.4633, 10.1988

Sweetspot

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



25.7655, 22.4638, 97.5857



61.7644, 66.3431, 104.1579



40.3740, 73.3802, 35.5592



12.3881, 13.3154, 22.1672



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.



25.7655, 22.4638, 97.5857



24.9773, 21.0747, 97.3591



18.3428, 7.5332, 95.0950



17.7184, 18.8084, 22.9465



13.1986, 11.3067, 50.9214



1.3937, 1.3180, 4.9942

Inverse Universe

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



45.1801, 23.0109, 22.1391



44.7366, 22.6586, 20.3429



75.5692, 92.0360, 14.0710



18.3705, 18.1315, 20.5683



23.4502, 11.8694, 11.0213



2.3381, 1.1776, 1.3617

Previews

White Background



This preview shows how the XYZ color 25.7645, 22.4633, 97.5856 looks on a white background.

Color Contrast Check

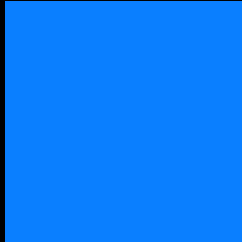
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7645, 22.4633, 97.5856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

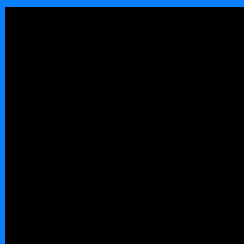
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

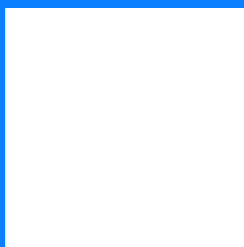
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7645, 22.4633, 97.5856

Background



This preview shows how black text looks on a background with the XYZ color 25.7645, 22.4633, 97.5856.



This preview shows how white text looks on a background with the XYZ color 25.7645, 22.4633,

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

25.7645, 22.4633, 97.5856

Protanopia

26.4285, 22.4629, 95.8713

Deuteranopia

22.5342, 22.2157, 77.9633



Tritanopia

15.7230, 22.2464, 33.6023

Trichromacy



Original Color

25.7645, 22.4633, 97.5856

Protanomaly

26.0778, 22.4525, 96.7253

Deuteranomaly

23.6127, 22.2231, 84.7063

Tritanomaly

18.4328, 21.9205, 51.9748

Monochromacy



Original Color

25.7645, 22.4633, 97.5856

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.1228, 15.9856, 36.0067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7645, 22.4633, 97.5856 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(10, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 127, 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(10, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 127, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.7645, 22.4633, 97.5856 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(10, 127, 255) }
```


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

```
.border{ border-color:rgb(10, 127, 255) }
```

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

Here you see how a box with a 4 pixel rgb(10, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 127,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7645, 22.4633, 97.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 127, 255) }
```

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

```
.background{ background-color: rgb(10, 127,  
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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