

Converting Colors

XYZ(22.7367, 16.2922, 96.5541)

Have a look what the booklet for
XYZ(22.7367, 16.2922, 96.5541)
contains.

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Color

**XYZ(22.7088, 16.2452,
96.5465)**

Conversions

Conversions Part 1

Format	Color
Hex	0F63FF
RGB	15, 99, 255
RGB Percent	6%, 39%, 100%
CMY	0.9410, 0.6118, 0.0000
CMYK	0.94, 0.61, 0.00, 0.00
HSL	219°, 100%, 53%
HSV	219°, 94%, 100%
XYZ	22.7088, 16.2452, 96.5465
YIQ	91.6680, -100.1400, 30.7080

Conversions

Conversions Part 2

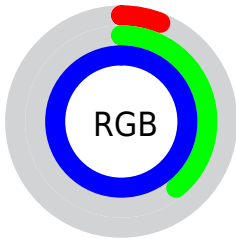
Format	Color
R _Y B	15, 77, 255
Decimal	1008639
CIE Lab	47.29, 37.44, -83.01
CIE LCh	47, 91.064, 294.274
Yxy	16.2452, 0.1676, 0.1199
Android (android.graphics.Color)	4279198719 (0xFF0F63FF)
YUV	91.6680, 80.5227, -67.2378
Hunter-Lab	40.3053, 30.0360, -113.8082

Details

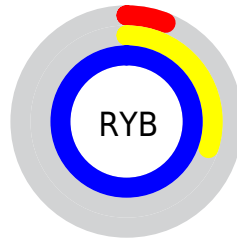
The XYZ color **22.7088, 16.2452, 96.5465** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **55.9004, 50.4423, 7.2441**, and the grayscale version is **9.9384, 10.4560, 11.3866**.

A 20% lighter version of the original color is **36.1336, 32.4968, 98.9758**, and **11.3972, 6.6696, 53.5100** is the 20% darker color. If you saturate the color by 10%, you get **21.6399, 14.3997, 96.2466**, and if you desaturate by 10%, it is **25.1437, 20.0760, 97.1576**.

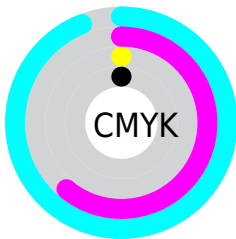
Distribution



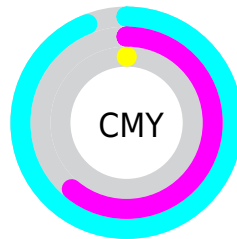
- Red (6%)
- Green (39%)
- Blue (100%)



- Red (6%)
- Yellow (30%)
- Blue (100%)



- Cyan (94%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7088, 16.2452, 96.5465 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 22.7088, 16.2452, 96.5465 by changing the saturation by 10% instead.

■ 22.7088, 16.2452,
96.5465

■ 22.7088, 16.2452,
96.5465

258.7891,
230.7843, 570.2145

■ 14.4981, 9.6978,
72.8188

■ 47.3849, 37.0234,
158.4133

■ 8.5520, 5.1991,
53.3369

■ 64.5811, 52.0229,
197.3896

■ 4.5049, 2.3645,
37.6822

■ 85.5032, 70.6087,
242.2857

■ 1.9915, 0.8076,
25.4362

■ 110.5164, 93.1651,
293.5204

■ 0.6292, 0.0000,
16.1804

■ 139.9863,
120.0764, 351.5120

■ 0.0000, 0.0000,
9.4962

174.2782,

■ 0.0000, 0.0000,

151.7271, 416.6793

4.9650

213.7573,
188.5016, 489.4406

■ 0.0000, 0.0000,
2.1684

■ 0.0000, 0.0000,
0.6560

■ 22.7088, 16.2452,
96.5465

■ 22.7088, 16.2452,
96.5465

■ 21.6399, 14.3997,
96.2466

■ 25.1437, 20.0760,
97.1576

■ 28.5731, 24.9253,
97.9128

■ 33.1252, 30.8840,
98.8231

■ 38.9057, 38.0298,
99.8977

■ 46.0073, 46.4326,
101.1453

■ 54.5129, 56.1558,
102.5738

■ 64.4982, 67.2581,
104.1904

■ 76.0333, 79.7946,
106.0022

■ 89.1837, 93.8169,
108.0157

Harmonies

Analogous

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



13.9486, 16.2452, 108.4560



22.7088, 16.2452, 96.5465



31.7009, 16.2452, 58.1894

Triad

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



22.7088, 16.2452, 96.5465



26.3428, 16.2452, 0.5324



4.6000, 16.2452, 13.6276

Complementary

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



22.7088, 16.2452, 96.5465



55.9004, 50.4423, 7.2441

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.



5.9827, 16.2452, 2.3844



22.7088, 16.2452, 96.5465



17.0353, 16.2452, 0.0000

Square

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



22.7088, 16.2452, 96.5465



34.2589, 16.2452, 5.0153



9.9167, 16.2452, 0.0000



5.1996, 16.2452, 42.8505

Rectangle

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



22.7088, 16.2452, 96.5465



35.6172, 16.2452, 32.6096



9.9167, 16.2452, 0.0000



4.8274, 16.2452, 8.1961

Sweetspot

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



22.7097, 16.2455, 96.5465



60.4187, 62.7555, 103.5364



43.3105, 74.5631, 50.6474



12.0248, 12.4207, 22.0136



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.



22.7097, 16.2455, 96.5465



21.6399, 14.3997, 96.2466



19.5893, 8.2683, 95.1712



17.5227, 18.4171, 22.8813



11.4332, 7.7759, 50.3329



1.2110, 0.9528, 4.9333

Inverse Universe

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



43.6637, 22.5041, 13.8465



43.0520, 21.9848, 11.4718



65.0626, 86.6160, 13.7435



18.2718, 18.0920, 20.0482



22.5591, 11.5129, 6.3288



2.2459, 1.1407, 0.8763

Previews

White Background



This preview shows how the XYZ color 22.7088, 16.2452, 96.5465 looks on a white background.

Color Contrast Check

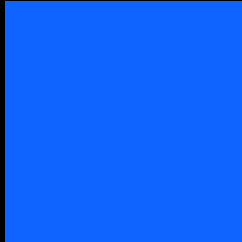
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.7088, 16.2452, 96.5465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

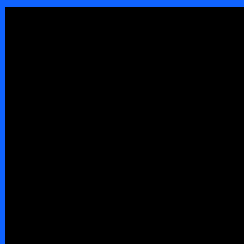
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

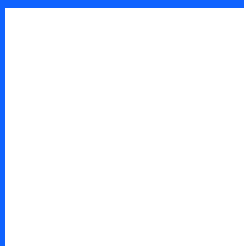
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7088, 16.2452, 96.5465

Background



This preview shows how black text looks on a background with the XYZ color 22.7088, 16.2452, 96.5465.



This preview shows how white text looks on a background with the XYZ color 22.7088, 16.2452,

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

22.7088, 16.2452, 96.5465

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.7549, 15.9297, 53.2833



Tritanopia

11.3044, 16.0540, 23.9757

Trichromacy



Original Color

22.7088, 16.2452, 96.5465

Protanomaly

20.2990, 16.0473, 82.1483

Deuteranomaly

17.9259, 15.9274, 67.0952

Tritanomaly

14.0298, 15.4283, 43.3128

Monochromacy



Original Color

22.7088, 16.2452, 96.5465

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.7925, 11.5088, 30.8780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7088, 16.2452, 96.5465 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(15, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 99, 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(15, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.7088, 16.2452, 96.5465 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(15, 99, 255) }
```


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

```
.border{ border-color:rgb(15, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7088, 16.2452, 96.5465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 99, 255) }
```

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

```
.background{ background-color: rgb(15, 99,  
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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