

Converting Colors

XYZ(22.3679, 15.2415, 96.3707)

Have a look what the booklet for
XYZ(22.3679, 15.2415, 96.3707)
contains.

XYZ(22.3904, 15.2683, 96.3747)	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>	30

Color

**XYZ(22.3904, 15.2683,
96.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	1A5DFF
RGB	26, 93, 255
RGB Percent	10%, 36%, 100%
CMY	0.8979, 0.6353, 0.0000
CMYK	0.90, 0.64, 0.00, 0.00
HSL	222°, 100%, 55%
HSV	222°, 90%, 100%
XYZ	22.3904, 15.2683, 96.3747
YIQ	91.4350, -91.9340, 36.1780

Conversions

Conversions Part 2

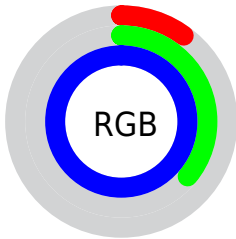
Format	Color
RYB	26, 78, 255
Decimal	1727999
CIELab	46.00, 41.56, -85.13
CIELCh	46, 94.736, 296.021
Yxy	15.2683, 0.1671, 0.1139
Android (android.graphics.Color)	4279918079 (0xFF1A5DFF)
YUV	91.4350, 80.6375, -57.3865
Hunter-Lab	39.0747, 33.9026, -118.8820

Details

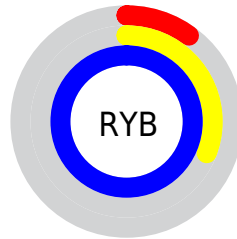
The XYZ color **22.3904, 15.2683, 96.3747** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **59.4191, 57.3191, 8.9116**, and the grayscale version is **9.8828, 10.3975, 11.3229**.

A 20% lighter version of the original color is **35.6182, 30.8580, 98.6866**, and **11.1350, 6.1451, 53.4226** is the 20% darker color. If you saturate the color by 10%, you get **20.5698, 12.2496, 95.8880**, and if you desaturate by 10%, it is **25.1315, 19.3158, 97.0115**.

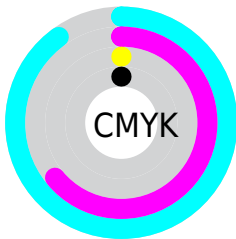
Distribution



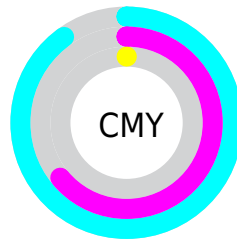
- Red (10%)
- Green (36%)
- Blue (100%)



- Red (10%)
- Yellow (31%)
- Blue (100%)



- Cyan (90%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3904, 15.2683, 96.3747 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 22.3904, 15.2683, 96.3747 by changing the saturation by 10% instead.

■ 22.3904, 15.2683,
96.3747

■ 22.3904, 15.2683,
96.3747

257.1725,
224.9845, 569.6530

■ 14.2622, 9.0079,
72.6765

■ 46.8645, 35.3232,
158.1743

■ 8.3862, 4.7463,
53.2213

■ 63.9411, 49.8864,
197.1128

■ 4.3969, 2.0992,
37.5905

■ 84.7313, 67.9861,
241.9684

■ 1.9290, 0.6642,
25.3656

■ 109.6003, 90.0066,
293.1598

■ 0.5936, 0.0000,
16.1282

■ 138.9136,
116.3323, 351.1054

■ 0.0000, 0.0000,
9.4596

173.0365,

■ 0.0000, 0.0000,

147.3476, 416.2237

4.9413

212.3344,
183.4368, 488.9334

■ 0.0000, 0.0000,
2.1547

■ 0.0000, 0.0000,
0.6480

■ 22.3904, 15.2683,
96.3747

■ 22.3904, 15.2683,
96.3747

■ 20.5698, 12.2496,
95.8880

■ 25.1315, 19.3158,
97.0115

■ 20.5372, 12.1945,
95.8791

■ 28.9751, 24.5220,
97.8138

■ 34.0443, 30.9832,
98.7938

■ 40.4438, 38.7836,
99.9621

■ 48.2662, 47.9993,
101.3286

■ 57.5957, 58.7004,
102.9024

■ 68.5092, 70.9519,
104.6920

■ 81.0786, 84.8148,
106.7053

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



13.4674, 15.2683, 111.1904



22.3904, 15.2683, 96.3747



31.4411, 15.2683, 55.5829

Triad

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



22.3904, 15.2683, 96.3747



24.9593, 15.2683, 0.0525



3.9187, 15.2683, 13.7425

Complementary

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



22.3904, 15.2683, 96.3747



59.4191, 57.3191, 8.9116

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.



5.1075, 15.2683, 2.1372



22.3904, 15.2683, 96.3747



15.6094, 15.2683, 0.0000

Square

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



22.3904, 15.2683, 96.3747



33.2683, 15.2683, 3.7958



8.7397, 15.2683, 0.0000



4.5921, 15.2683, 44.5318

Rectangle

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



22.3904, 15.2683, 96.3747



35.2311, 15.2683, 29.7504



8.7397, 15.2683, 0.0000



4.0968, 15.2683, 8.0702

Sweetspot

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



22.3912, 15.2686, 96.3747



60.4761, 61.9578, 103.3794



45.0832, 75.2986, 58.7865



12.1930, 12.4113, 22.0029



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.



22.3912, 15.2686, 96.3747



20.5372, 12.1945, 95.8791



21.0803, 9.3318, 95.2979



17.4358, 18.2432, 22.8523



10.8423, 6.5942, 50.1359



1.1452, 0.8211, 4.9114

Inverse Universe

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



43.5860, 22.7909, 12.4574



42.4954, 21.7622, 8.5411



62.3003, 85.1804, 14.1375



18.2279, 18.0745, 19.8171



22.2609, 11.3936, 4.7583



2.2126, 1.1274, 0.7012

Previews

White Background



This preview shows how the XYZ color 22.3904, 15.2683, 96.3747 looks on a white background.

Color Contrast Check

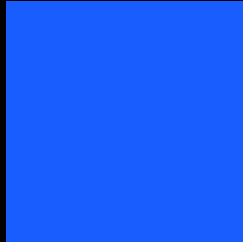
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3904, 15.2683, 96.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

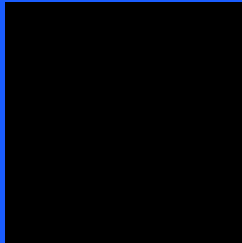
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

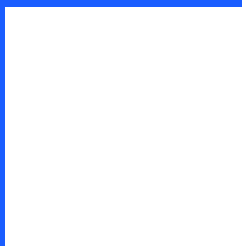
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3904, 15.2683, 96.3747

Background



This preview shows how black text looks on a background with the XYZ color 22.3904, 15.2683, 96.3747.



This preview shows how white text looks on a background with the XYZ color 22.3904, 15.2683,

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

22.3904, 15.2683, 96.3747

Protanopia

17.8686, 15.0679, 69.6768

Tritanopia

10.5472, 14.9652, 22.4114

Trichromacy



Original Color

22.3904, 15.2683, 96.3747

Protanomaly

19.3778, 15.0556, 78.9755

Tritanomaly

13.3286, 14.2659, 42.0955

Monochromacy



Original Color

22.3904, 15.2683, 96.3747

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.7278, 11.0819, 30.7991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3904, 15.2683, 96.3747 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(26, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 93, 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(26, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 93, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.3904, 15.2683, 96.3747 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(26, 93, 255) }
```

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

```
.border{ border-color:rgb(26, 93, 255) }
```

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

Here you see how a box with a 4 pixel rgb(26, 93, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 93,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 22.3904, 15.2683, 96.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 93, 255) }
```

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

```
.background{ background-color: rgb(26, 93,  
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