

Converting Colors

XYZ(19.8955, 15.2982, 82.1399)

Have a look what the booklet for
XYZ(19.8955, 15.2982, 82.1399)
contains.

XYZ(19.8432, 15.2288, 82.0144)	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(19.8432, 15.2288,
82.0144)**

Conversions

Conversions Part 1

Format	Color
Hex	0064ED
RGB	0, 100, 237
RGB Percent	0%, 39%, 93%
CMY	0.9998, 0.6078, 0.0706
CMYK	1.00, 0.58, 0.00, 0.07
HSL	215°, 100%, 46%
HSV	215°, 100%, 93%
XYZ	19.8432, 15.2288, 82.0144
YIQ	85.7180, -103.5770, 21.4070

Conversions

Conversions Part 2

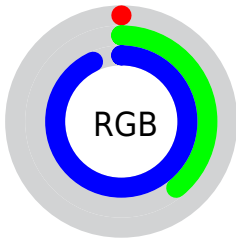
Format	Color
RYB	0, 70, 237
Decimal	25837
CIELab	45.95, 29.61, -75.17
CIELCh	46, 80.790, 291.498
Yxy	15.2288, 0.1695, 0.1301
Android (android.graphics.Color)	4278215917 (0xFF0064ED)
YUV	85.7180, 74.5820, -75.1747
Hunter-Lab	39.0241, 22.4726, -97.2891

Details

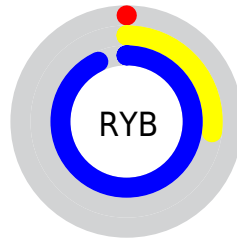
The XYZ color **19.8432, 15.2288, 82.0144** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **43.8797, 35.9130, 4.6209**, and the grayscale version is **8.6528, 9.1035, 9.9137**.

A 20% lighter version of the original color is **35.2630, 32.2839, 98.9806**, and **9.6044, 6.0277, 43.8373** is the 20% darker color. If you saturate the color by 10%, you get **19.8400, 15.2222, 82.0137**, and if you desaturate by 10%, it is **21.6410, 18.2735, 82.5078**.

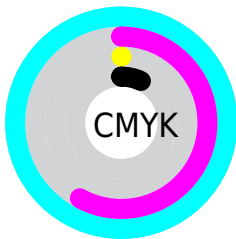
Distribution



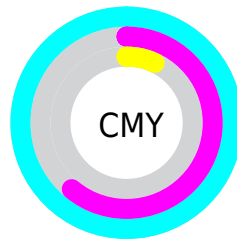
- Red (0%)
- Green (39%)
- Blue (93%)



- Red (0%)
- Yellow (27%)
- Blue (93%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8432, 15.2288, 82.0144 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 19.8432, 15.2288, 82.0144 by changing the saturation by 10% instead.

■ 19.8432, 15.2288,
82.0144

■ 19.8432, 15.2288,
82.0144

243.9148,
224.7469, 521.5806

■ 12.3887, 8.9801,
60.8415

■ 42.6601, 35.2541,
138.0311

■ 7.0831, 4.7282,
43.6676

■ 58.7532, 49.7994,
173.7119

■ 3.5609, 2.0887,
30.0740

■ 78.4566, 67.8792,
215.0659

■ 1.4569, 0.6583,
19.6422

■ 102.1356, 89.8776,
262.5114

■ 0.2962, 0.0000,
11.9537

■ 130.1555,
116.1793, 316.4671

■ 0.0000, 0.0000,
6.5900

162.8818,

■ 0.0000, 0.0000,

147.1684, 377.3515

3.1325

200.6798,
183.2295, 445.5832

■ 0.0000, 0.0000,
1.1627

■ 0.0000, 0.0000,
0.0000

■ 19.8432, 15.2288,
82.0144

■ 19.8432, 15.2288,
82.0144

■ 19.8400, 15.2222,
82.0137

■ 21.6410, 18.2735,
82.5078

■ 24.1217, 22.0138,
83.0990

■ 27.4375, 26.5423,
83.7983

■ 31.6812, 31.9205,
84.6127

■ 36.9318, 38.2019,
85.5484

■ 43.2592, 45.4345,
86.6110

■ 50.7263, 53.6627,
87.8056

■ 59.3911, 62.9273,
89.1372

■ 69.3073, 73.2668,
90.6103

Harmonies

Analogous

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



12.6177, 15.2288, 88.5815



19.8432, 15.2288, 82.0144



27.3838, 15.2288, 52.7698

Triad

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



19.8432, 15.2288, 82.0144



24.2914, 15.2288, 1.1263



4.9807, 15.2288, 11.6175

Complementary

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



19.8432, 15.2288, 82.0144



43.8797, 35.9130, 4.6209

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.



6.4348, 15.2288, 2.4559



19.8432, 15.2288, 82.0144



16.5052, 15.2288, 0.0000

Square

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



19.8432, 15.2288, 82.0144



30.4638, 15.2288, 6.2612



10.1737, 15.2288, 0.2830



5.3683, 15.2288, 34.5474

Rectangle

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



19.8432, 15.2288, 82.0144



30.8514, 15.2288, 31.6182



10.1737, 15.2288, 0.2830



5.2480, 15.2288, 7.2777

Sweetspot

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



19.8440, 15.2291, 82.0148



59.7616, 63.2173, 103.6601



34.6109, 62.2994, 32.8744



11.9583, 12.6210, 22.0558



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.



19.8440, 15.2291, 82.0148



23.3660, 17.8521, 96.8220



15.4980, 6.2246, 80.5059



14.7534, 15.5932, 19.1545



10.9554, 8.5577, 44.8174



0.9536, 0.8587, 3.5504

Inverse Universe

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



37.2261, 18.9260, 13.7476



43.9233, 22.3333, 16.0600



60.1658, 75.9731, 11.4949



15.3291, 15.1595, 17.0182



20.3851, 10.3567, 7.8290



1.6478, 0.8321, 0.8628

Previews

White Background



This preview shows how the XYZ color 19.8432, 15.2288, 82.0144 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 19.8432, 15.2288, 82.0144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

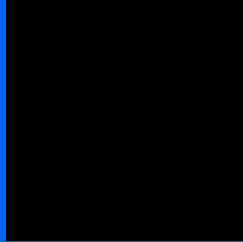
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

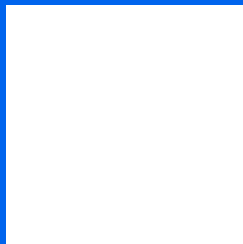
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8432, 15.2288, 82.0144

Background



This preview shows how black text looks on a background with the XYZ color 19.8432, 15.2288, 82.0144.



This preview shows how white text looks on a background with the XYZ color 19.8432, 15.2288,

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

19.8432, 15.2288, 82.0144

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

14.9787, 15.0866, 50.8377



Tritanopia

10.5472, 14.9652, 22.4114

Trichromacy



Original Color

19.8432, 15.2288, 82.0144

Protanomaly

18.7154, 15.2465, 74.6295

Deuteranomaly

16.5202, 15.0204, 61.0600

Tritanomaly

12.8802, 14.6003, 38.6985

Monochromacy



Original Color

19.8432, 15.2288, 82.0144

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.1244, 10.2175, 26.6379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8432, 15.2288, 82.0144 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, 100, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 237)  
}
```

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, 100, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 237) }
```

Border

The CSS property to change the border of an element to XYZ 19.8432, 15.2288, 82.0144 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, 100, 237) }
```


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

```
.border{ border-color:rgb(0, 100, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8432, 15.2288, 82.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 237) }
```

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

```
.background{ background-color: rgb(0, 100,  
237) }
```

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