

Converting Colors

XYZ(12.9748, 9.8411, 86.2629)

Have a look what the booklet for
XYZ(12.9748, 9.8411, 86.2629)
contains.

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Color

**XYZ(19.5859, 13.2875,
86.3265)**

Conversions

Conversions Part 1

Format	Color
Hex	0057F3
RGB	0, 87, 243
RGB Percent	0%, 34%, 95%
CMY	0.9997, 0.6588, 0.0471
CMYK	1.00, 0.64, 0.00, 0.05
HSL	219°, 100%, 48%
HSV	219°, 100%, 95%
XYZ	19.5859, 13.2875, 86.3265
YIQ	78.7710, -101.9280, 30.0720

Conversions

Conversions Part 2

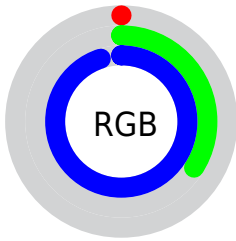
Format	Color
R _{YB}	0, 64, 243
Decimal	22515
CIE Lab	43.19, 40.18, -83.05
CIE LCh	43, 92.262, 295.821
Yxy	13.2875, 0.1643, 0.1115
Android (android.graphics.Color)	4278212595 (0xFF0057F3)
YUV	78.7710, 80.9649, -69.0822
Hunter-Lab	36.4520, 32.1181, -114.8955

Details

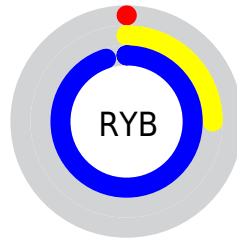
The XYZ color **19.5859, 13.2875, 86.3265** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **48.8633, 42.8560, 5.6987**, and the grayscale version is **7.2566, 7.6345, 8.3140**.

A 20% lighter version of the original color is **33.5363, 28.2731, 98.2974**, and **9.6208, 5.2305, 46.4015** is the 20% darker color. If you saturate the color by 10%, you get **19.5822, 13.2800, 86.3257**, and if you desaturate by 10%, it is **21.3742, 16.2916, 86.8125**.

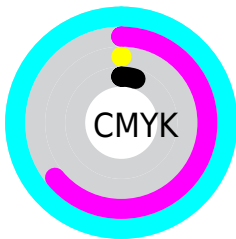
Distribution



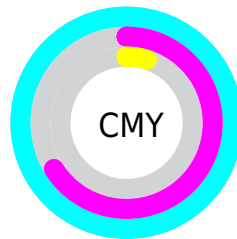
- Red (0%)
- Green (34%)
- Blue (95%)



- Red (0%)
- Yellow (25%)
- Blue (95%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (66%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5859, 13.2875, 86.3265 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 19.5859, 13.2875, 86.3265 by changing the saturation by 10% instead.

■ 19.5859, 13.2875,
86.3265

■ 19.5859, 13.2875,
86.3265

242.5410,
212.7521, 536.2658

■ 12.2009, 7.6268,
64.3816

■ 42.2311, 31.8193,
144.1156

■ 6.9538, 3.8571,
46.5116

■ 58.2220, 45.4593,
180.7968

■ 3.4793, 1.5940,
32.2982

■ 77.8122, 62.5278,
223.2272

■ 1.4120, 0.3535,
21.3226

■ 101.3671, 83.4092,
271.8254

■ 0.2648, 0.0000,
13.1665

■ 129.2521,
108.4879, 327.0097

■ 0.0000, 0.0000,
7.4112

161.8325,

■ 0.0000, 0.0000,

138.1484, 389.1989

3.6383

199.4737,
172.7750, 458.8114

■ 0.0000, 0.0000,
1.4291

■ 0.0000, 0.0000,
0.1642

■ 19.5859, 13.2875,
86.3265

■ 19.5859, 13.2875,
86.3265

■ 19.5822, 13.2800,
86.3257

■ 21.3742, 16.2916,
86.8125

■ 23.9315, 20.1218,
87.4170

■ 27.4224, 24.8849,
88.1524

■ 31.9500, 30.6546,
89.0274

■ 37.6022, 37.4957,
90.0500

■ 44.4569, 45.4664,
91.2272

■ 52.5844, 54.6206,
92.5658

■ 62.0494, 65.0079,
94.0719

■ 72.9120, 76.6753,
95.7514

Harmonies

Analogous

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



11.6569, 13.2875, 99.4877



19.5859, 13.2875, 86.3265



27.6924, 13.2875, 49.6010

Triad

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



19.5859, 13.2875, 86.3265



21.9956, 13.2875, 0.0000



3.3007, 13.2875, 11.7924

Complementary

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



19.5859, 13.2875, 86.3265



48.8633, 42.8560, 5.6987

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.



4.3477, 13.2875, 1.7245



19.5859, 13.2875, 86.3265



13.6544, 13.2875, 0.0000

Square

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



19.5859, 13.2875, 86.3265



29.4121, 13.2875, 3.2238



7.5525, 13.2875, 0.0000



3.8754, 13.2875, 39.1702

Rectangle

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



19.5859, 13.2875, 86.3265



31.1137, 13.2875, 26.3650



7.5525, 13.2875, 0.0000



3.4589, 13.2875, 6.8276

Sweetspot

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



19.5867, 13.2877, 86.3269



58.5661, 60.8263, 103.2616



37.8782, 66.4326, 41.3660



11.6784, 12.0613, 21.9625



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.



19.5867, 13.2877, 86.3269



21.8123, 14.7446, 96.3041



16.7886, 6.7871, 85.2196



16.0664, 16.8971, 20.9572



10.8630, 7.5197, 47.4169



1.0483, 0.8480, 4.1987

Inverse Universe

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



38.6833, 19.7444, 10.7888



43.1390, 22.0196, 11.9301



58.8035, 77.8930, 11.9376



16.7441, 16.5805, 18.3990



21.2876, 10.8585, 6.2231



1.9182, 0.9732, 0.7956

Previews

White Background



This preview shows how the XYZ color 19.5859, 13.2875, 86.3265 looks on a white background.

Color Contrast Check

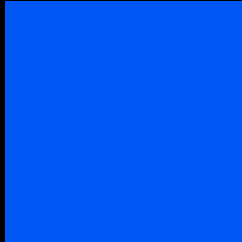
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5859, 13.2875, 86.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

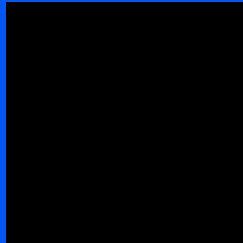
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5859, 13.2875, 86.3265

Background



This preview shows how black text looks on a background with the XYZ color 19.5859, 13.2875, 86.3265.



This preview shows how white text looks on a background with the XYZ color 19.5859, 13.2875,

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

19.5859, 13.2875, 86.3265

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

9.2349, 13.1422, 19.5027

Trichromacy



Original Color

19.5859, 13.2875, 86.3265

Protanomaly

16.7889, 13.1199, 68.6654

Deuteranomaly

14.7930, 12.9055, 56.3549

Tritanomaly

11.6512, 12.5810, 36.9362

Monochromacy



Original Color

19.5859, 13.2875, 86.3265

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.9929, 8.5768, 25.6076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5859, 13.2875, 86.3265 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, 87, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 243)  
}
```

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, 87, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 243) }
```

Border

The CSS property to change the border of an element to XYZ 19.5859, 13.2875, 86.3265 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, 87, 243) }
```


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

```
.border{ border-color:rgb(0, 87, 243) }
```

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

Here you see how a box with a 4 pixel rgb(0, 87, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 243)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5859, 13.2875, 86.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 243) }
```

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

```
.background{ background-color: rgb(0, 87,  
243) }
```

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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