

Converting Colors

XYZ(13.8448, 9.9006, 82.6794)

Have a look what the booklet for
XYZ(13.8448, 9.9006, 82.6794)
contains.

XYZ(18.6732, 12.4185, 83.0742)	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(18.6732, 12.4185,
83.0742)**

Conversions

Conversions Part 1

Format	Color
Hex	0053EF
RGB	0, 83, 239
RGB Percent	0%, 33%, 94%
CMY	0.9998, 0.6745, 0.0627
CMYK	1.00, 0.65, 0.00, 0.06
HSL	219°, 100%, 47%
HSV	219°, 100%, 94%
XYZ	18.6732, 12.4185, 83.0742
YIQ	75.9670, -99.5440, 30.9200

Conversions

Conversions Part 2

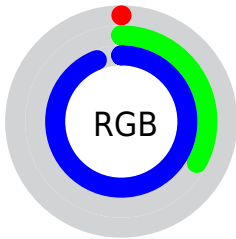
Format	Color
RYB	0, 62, 239
Decimal	21487
CIELab	41.87, 41.21, -82.97
CIELCh	42, 92.643, 296.414
Yxy	12.4185, 0.1636, 0.1088
Android (android.graphics.Color)	4278211567 (0xFF0053EF)
YUV	75.9670, 80.3753, -66.6231
Hunter-Lab	35.2399, 32.9152, -115.1018

Details

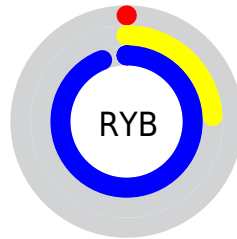
The XYZ color **18.6732, 12.4185, 83.0742** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **47.4962, 42.1491, 5.6340**, and the grayscale version is **6.7379, 7.0888, 7.7197**.

A 20% lighter version of the original color is **32.8568, 27.1020, 98.1072**, and **9.1690, 4.8284, 44.7047** is the 20% darker color. If you saturate the color by 10%, you get **18.6702, 12.4122, 83.0735**, and if you desaturate by 10%, it is **20.3801, 15.2743, 83.5359**.

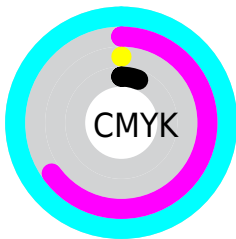
Distribution



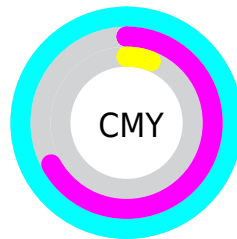
- Red (0%)
- Green (33%)
- Blue (94%)



- Red (0%)
- Yellow (24%)
- Blue (94%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (67%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6732, 12.4185, 83.0742 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 18.6732, 12.4185, 83.0742 by changing the saturation by 10% instead.

■ 18.6732, 12.4185,
83.0742

■ 18.6732, 12.4185,
83.0742

237.6116,
207.1565, 525.2113

■ 11.5370, 7.0294,
61.7104

■ 40.7023, 30.2551,
139.5295

■ 6.4992, 3.4805,
44.3645

■ 56.3259, 43.4713,
175.4582

■ 3.1944, 1.3874,
30.6178

■ 75.5093, 60.0653,
217.0788

■ 1.2574, 0.2074,
20.0520

■ 98.6180, 80.4215,
264.8100

■ 0.1510, 0.0000,
12.2484

■ 126.0172,
104.9244, 319.0703

■ 0.0000, 0.0000,
6.7885

158.0722,

■ 0.0000, 0.0000,

133.9582, 380.2783

3.2537

195.1486,
167.9075, 448.8524

■ 0.0000, 0.0000,
1.2256

■ 0.0000, 0.0000,
0.0000

■ 18.6732, 12.4185,
83.0742

■ 18.6732, 12.4185,
83.0742

■ 18.6702, 12.4122,
83.0735

■ 20.3801, 15.2743,
83.5359

■ 22.8331, 18.9384,
84.1138

■ 26.1923, 23.5157,
84.8203

■ 30.5574, 29.0785,
85.6639

■ 36.0134, 35.6904,
86.6526

■ 42.6357, 43.4088,
87.7933

■ 50.4926, 52.2864,
89.0928

■ 59.6467, 62.3723,
90.5571

■ 70.1563, 73.7124,
92.1920

Harmonies

Analogous

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



10.9998, 12.4185, 96.6996



18.6732, 12.4185, 83.0742



26.4975, 12.4185, 46.8889

Triad

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



18.6732, 12.4185, 83.0742



20.6751, 12.4185, 0.0000



2.9422, 12.4185, 11.3000

Complementary

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



18.6732, 12.4185, 83.0742



47.4962, 42.1491, 5.6340

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.



3.8880, 12.4185, 1.5559



18.6732, 12.4185, 83.0742



12.6452, 12.4185, 0.0000

Square

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



18.6732, 12.4185, 83.0742



27.9329, 12.4185, 2.7346



6.8666, 12.4185, 0.0000



3.5087, 12.4185, 38.1484

Rectangle

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



18.6732, 12.4185, 83.0742



29.7557, 12.4185, 24.4387



6.8666, 12.4185, 0.0000



3.0799, 12.4185, 6.4637

Sweetspot

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



18.6740, 12.4187, 83.0746



58.3692, 60.4325, 103.1960



36.8151, 64.1128, 41.6089



11.6325, 11.9694, 21.9472



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.



18.6740, 12.4187, 83.0746



21.5819, 14.2838, 96.2273



16.3049, 6.6067, 82.0776



15.3459, 16.1260, 20.0254



10.4280, 7.0802, 45.9449



0.9572, 0.7684, 3.8521

Inverse Universe

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



37.1587, 18.9767, 9.8877



43.0227, 21.9731, 11.3178



55.5391, 74.4524, 11.4453



15.9993, 15.8494, 17.5525



20.5892, 10.5081, 5.7532



1.7581, 0.8923, 0.7170

Previews

White Background



This preview shows how the XYZ color 18.6732, 12.4185, 83.0742 looks on a white background.

Color Contrast Check

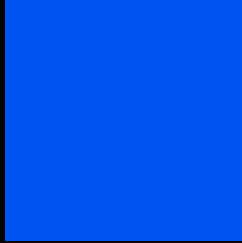
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6732, 12.4185, 83.0742 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 18.6732, 12.4185, 83.0742

Background



This preview shows how black text looks on a background with the XYZ color 18.6732, 12.4185, 83.0742.



This preview shows how white text looks on a background with the XYZ color 18.6732, 12.4185,

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

18.6732, 12.4185, 83.0742

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

18.6732, 12.4185, 83.0742

Protanomaly

15.8787, 12.3372, 65.1628

Deuteranomaly

13.9665, 11.9909, 53.8029

Tritanomaly

10.9023, 11.6524, 34.9322

Monochromacy



Original Color

18.6732, 12.4185, 83.0742

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.3881, 7.9696, 24.0179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6732, 12.4185, 83.0742 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, 83, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 239)  
}
```

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, 83, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 239) }
```

Border

The CSS property to change the border of an element to XYZ 18.6732, 12.4185, 83.0742 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, 83, 239) }
```


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

```
.border{ border-color:rgb(0, 83, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 83, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 239)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6732, 12.4185, 83.0742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 239) }
```

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

```
.background{ background-color: rgb(0, 83,  
239) }
```

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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