

Converting Colors

XYZ(5.5732, 4.7151, 83.7813)

Have a look what the booklet for
XYZ(5.5732, 4.7151, 83.7813)
contains.

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Color

**XYZ(18.3260, 11.2484,
84.4244)**

Conversions

Conversions Part 1

Format	Color
Hex	004AF1
RGB	0, 74, 241
RGB Percent	0%, 29%, 95%
CMY	0.9997, 0.7098, 0.0549
CMYK	1.00, 0.69, 0.00, 0.05
HSL	222°, 100%, 47%
HSV	222°, 100%, 95%
XYZ	18.3260, 11.2484, 84.4244
YIQ	70.9120, -97.7110, 36.2490

Conversions

Conversions Part 2

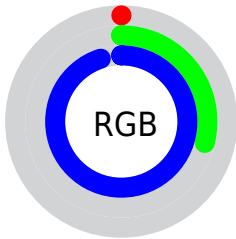
Format	Color
RYB	0, 57, 241
Decimal	19185
CIELab	40.00, 47.49, -87.19
CIELCh	40, 99.290, 298.577
Yxy	11.2484, 0.1608, 0.0987
Android (android.graphics.Color)	4278209265 (0xFF004AF1)
YUV	70.9120, 83.8534, -62.1898
Hunter-Lab	33.5386, 38.8424, -125.7694

Details

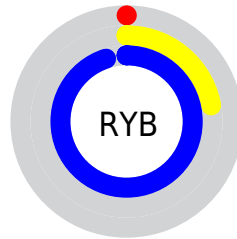
The XYZ color **18.3260, 11.2484, 84.4244** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **50.1087, 46.3661, 6.3106**, and the grayscale version is **5.8531, 6.1579, 6.7060**.

A 20% lighter version of the original color is **31.8151, 24.8307, 97.7237**, and **9.0372, 4.3989, 45.1725** is the 20% darker color. If you saturate the color by 10%, you get **18.3225, 11.2414, 84.4236**, and if you desaturate by 10%, it is **19.9738, 13.9786, 84.8649**.

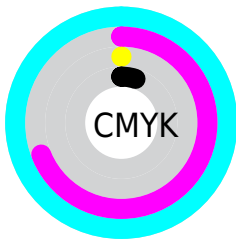
Distribution



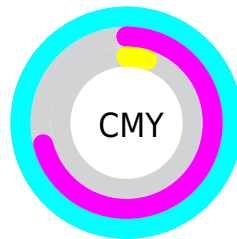
- Red (0%)
- Green (29%)
- Blue (95%)



- Red (0%)
- Yellow (22%)
- Blue (95%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (71%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3260, 11.2484, 84.4244 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 18.3260, 11.2484, 84.4244 by changing the saturation by 10% instead.

■ 18.3260, 11.2484,
84.4244

■ 18.3260, 11.2484,
84.4244

235.7124,
199.3639, 529.8163

■ 11.2854, 6.2342,
62.8185

■ 40.1178, 28.1186,
141.4357

■ 6.3278, 2.9880,
45.2543

■ 55.5997, 40.7433,
177.6782

■ 3.0880, 1.1255,
31.3134

■ 74.6260, 56.6737,
219.6366

■ 1.2005, 0.0000,
20.5771

■ 97.5622, 76.2941,
267.7294

■ 0.1067, 0.0000,
12.6270

■ 124.7736, 99.9890,
322.3753

■ 0.0000, 0.0000,
7.0445

156.6255,

■ 0.0000, 0.0000,

128.1426, 383.9927

3.4111

193.4833,
161.1394, 453.0002

■ 0.0000, 0.0000,
1.3082

■ 0.0000, 0.0000,
0.0685

■ 18.3260, 11.2484,
84.4244

■ 18.3260, 11.2484,
84.4244

■ 18.3225, 11.2414,
84.4236

■ 19.9738, 13.9786,
84.8649

■ 22.4094, 17.5866,
85.4329

■ 25.7994, 22.1867,
86.1422

■ 30.2491, 27.8597,
87.0027

■ 35.8484, 34.6766,
88.0233

■ 42.6770, 42.7017,
89.2124

■ 50.8072, 51.9938,
90.5775

■ 60.3053, 62.6080,
92.1256

■ 71.2329, 74.5955,
93.8635

Harmonies

Analogous

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



10.3669, 11.2484, 102.1717



18.3260, 11.2484, 84.4244



26.3655, 11.2484, 44.3993

Triad

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



18.3260, 11.2484, 84.4244



19.1510, 11.2484, 0.0000



2.1819, 11.2484, 11.3329

Complementary

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



18.3260, 11.2484, 84.4244



50.1087, 46.3661, 6.3106

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.



2.9220, 11.2484, 1.2221



18.3260, 11.2484, 84.4244



11.0223, 11.2484, 0.0000

Square

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



18.3260, 11.2484, 84.4244



26.9682, 11.2484, 1.6062



5.5404, 11.2484, 0.0000



2.7861, 11.2484, 40.6729

Rectangle

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



18.3260, 11.2484, 84.4244



29.5401, 11.2484, 21.3594



5.5404, 11.2484, 0.0000



2.2723, 11.2484, 6.1845

Sweetspot

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



18.3268, 11.2486, 84.4248



57.6392, 58.9725, 102.9527



38.2212, 65.6173, 46.1084



11.4625, 11.6295, 21.8905



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.



18.3268, 11.2486, 84.4248



20.7917, 12.7033, 95.9639



16.9272, 6.8933, 83.6579



15.2928, 16.0197, 20.0077



10.0403, 6.3048, 45.8156



0.9200, 0.6941, 3.8397

Inverse Universe

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



37.5125, 19.1968, 8.2063



42.6239, 21.8135, 9.2174



54.4374, 74.7585, 11.5628



15.9725, 15.8387, 17.4113



20.3935, 10.4298, 4.7228



1.7393, 0.8848, 0.6182

Previews

White Background



This preview shows how the XYZ color 18.3260, 11.2484, 84.4244 looks on a white background.

Color Contrast Check

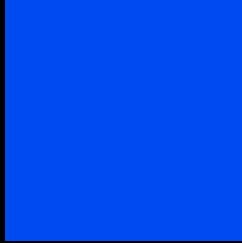
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3260, 11.2484, 84.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

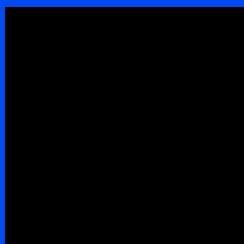
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3260, 11.2484, 84.4244

Background



This preview shows how black text looks on a background with the XYZ color 18.3260, 11.2484, 84.4244.



This preview shows how white text looks on a background with the XYZ color 18.3260, 11.2484,

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

18.3260, 11.2484, 84.4244

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.7045, 10.9744, 35.7365



Tritanopia

7.7648, 11.0264, 16.4709

Trichromacy



Original Color

18.3260, 11.2484, 84.4244

Protanomaly

14.6789, 10.9441, 61.6604

Deuteranomaly

12.8937, 10.7410, 50.6839

Tritanomaly

10.0859, 10.2973, 33.8037

Monochromacy



Original Color

18.3260, 11.2484, 84.4244

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.6332, 6.8861, 23.1171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3260, 11.2484, 84.4244 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, 74, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 74, 241)  
}
```

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, 74, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 74, 241) }
```

Border

The CSS property to change the border of an element to XYZ 18.3260, 11.2484, 84.4244 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, 74, 241) }
```


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

```
.border{ border-color:rgb(0, 74, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 74, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 74, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 74, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 74, 241)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3260, 11.2484, 84.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 74, 241) }
```

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

```
.background{ background-color: rgb(0, 74,  
241) }
```

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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