

Converting Colors

XYZ(18.7770, 9.5977, 92.4358)

Have a look what the booklet for
XYZ(18.7770, 9.5977, 92.4358)
contains.

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Color

**XYZ(18.7318, 9.6034,
92.1332)**

Conversions

Conversions Part 1

Format	Color
Hex	0036FB
RGB	0, 54, 251
RGB Percent	0%, 21%, 98%
CMY	0.9997, 0.7883, 0.0157
CMYK	1.00, 0.78, 0.00, 0.02
HSL	227°, 100%, 49%
HSV	227°, 100%, 98%
XYZ	18.7318, 9.6034, 92.1332
YIQ	60.3120, -95.4210, 49.8190

Conversions

Conversions Part 2

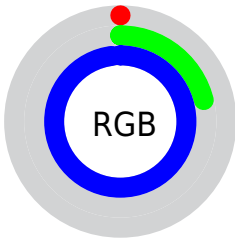
Format	Color
RYB	0, 44, 251
Decimal	14075
CIELab	37.12, 62.00, -97.58
CIELCh	37, 115.612, 302.431
Yxy	9.6034, 0.1555, 0.0797
Android (android.graphics.Color)	4278204155 (0xFF0036FB)
YUV	60.3120, 94.0092, -52.8936
Hunter-Lab	30.9894, 53.6646, -154.5802

Details

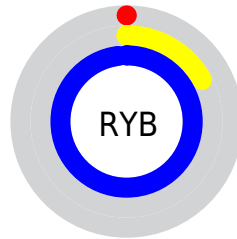
The XYZ color **18.7318, 9.6034, 92.1332** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **59.7690, 60.4789, 8.5256**, and the grayscale version is **4.2243, 4.4443, 4.8398**.

A 20% lighter version of the original color is **30.3364, 20.9025, 97.0434**, and **9.6691, 3.9371, 50.7024** is the 20% darker color. If you saturate the color by 10%, you get **18.7288, 9.5974, 92.1326**, and if you desaturate by 10%, it is **20.2468, 12.0318, 92.5224**.

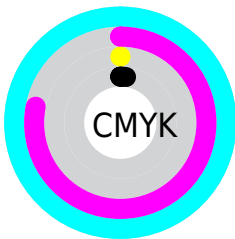
Distribution



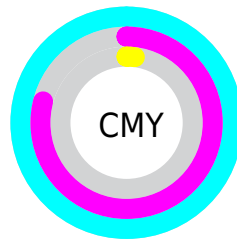
- Red (0%)
- Green (21%)
- Blue (98%)



- Red (0%)
- Yellow (17%)
- Blue (98%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (79%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7318, 9.6034, 92.1332 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 18.7318, 9.6034, 92.1332 by changing the saturation by 10% instead.


 18.7318, 9.6034,
92.1332


 18.7318, 9.6034,
92.1332


237.9308,
187.8176, 555.6941

 11.5795, 5.1368,
69.1676


 40.8008, 25.0468,
152.2593

 6.5282, 2.3278,
50.3756


 56.4482, 36.7924,
190.2569

 3.2125, 0.7883,
35.3387


 75.6580, 51.7332,
234.1022

 1.2671, 0.0000,
23.6382

 98.7956, 70.2534,
284.2138

 0.1584, 0.0000,
14.8558

 126.2263, 92.7376,
341.0103

 0.0000, 0.0000,
8.5727

 158.3155,

 0.0000, 0.0000,

119.5701, 404.9101

4.3706

195.4285,
151.1353, 476.3319

■ 0.0000, 0.0000,
1.8308

■ 0.0000, 0.0000,
0.4481

■ 18.7318, 9.6034,
92.1332

■ 18.7318, 9.6034,
92.1332

■ 18.7288, 9.5974,
92.1326

■ 20.2468, 12.0318,
92.5224

■ 22.6920, 15.5508,
93.0728

■ 26.2618, 20.3120,
93.8037

■ 31.0841, 26.4278,
94.7300

■ 37.2686, 33.9967,
95.8650

■ 44.9124, 43.1078,
97.2207

■ 54.1033, 53.8424,
98.8083

■ 64.9223, 66.2763,
100.6380

■ 77.4444, 80.4801,
102.7197

Harmonies

Analogous

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



9.7270, 9.6034, 120.8884



18.7318, 9.6034, 92.1332



27.6887, 9.6034, 41.5740

Triad

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



18.7318, 9.6034, 92.1332



17.1386, 9.6034, 0.0000



1.1107, 9.6034, 12.2279

Complementary

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



18.7318, 9.6034, 92.1332



59.7690, 60.4789, 8.5256

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.



1.5387, 9.6034, 0.7338



18.7318, 9.6034, 92.1332



8.5537, 9.6034, 0.0000

Square

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



18.7318, 9.6034, 92.1332



26.4776, 9.6034, 0.1398



3.5394, 9.6034, 0.0000



1.7247, 9.6034, 49.3123

Rectangle

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



18.7318, 9.6034, 92.1332



30.8384, 9.6034, 16.5872



3.5394, 9.6034, 0.0000



1.1374, 9.6034, 6.0600

Sweetspot

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



18.7326, 9.6035, 92.1335



56.0264, 55.7469, 102.4151



44.5344, 73.0096, 64.3485



11.0892, 10.8829, 21.7661



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.



18.7326, 9.6035, 92.1335



19.4065, 9.9329, 95.5022



20.0246, 8.3128, 91.8163



16.5853, 17.2475, 21.8402



9.9302, 5.2159, 48.4569



0.9936, 0.6308, 4.5126

Inverse Universe

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



40.4504, 20.7773, 5.3679



41.9247, 21.5339, 5.5355



53.2981, 78.6868, 12.3812



17.3972, 17.2862, 18.6816



21.3043, 10.9374, 3.0450



2.0104, 1.0279, 0.4783

Previews

White Background



This preview shows how the XYZ color 18.7318, 9.6034, 92.1332 looks on a white background.

Color Contrast Check

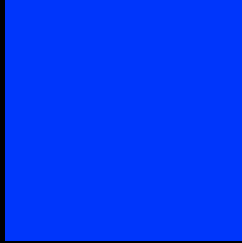
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.7318, 9.6034, 92.1332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

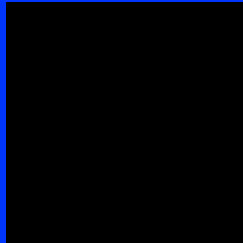
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7318, 9.6034, 92.1332

Background



This preview shows how black text looks on a background with the XYZ color 18.7318, 9.6034, 92.1332.



This preview shows how white text looks on a background with the XYZ color 18.7318, 9.6034,

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

18.7318, 9.6034, 92.1332

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.5318, 9.3053, 13.7638

Trichromacy



Original Color

18.7318, 9.6034, 92.1332

Protanomaly

13.1620, 9.0769, 57.5582

Deuteranomaly

11.4474, 8.7141, 47.5330

Tritanomaly

8.9432, 8.2852, 32.5803

Monochromacy



Original Color

18.7318, 9.6034, 92.1332

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.2748, 5.0232, 21.4077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7318, 9.6034, 92.1332 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, 54, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 54, 251)  
}
```

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, 54, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 54, 251) }
```

Border

The CSS property to change the border of an element to XYZ 18.7318, 9.6034, 92.1332 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, 54, 251) }
```


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

```
.border{ border-color:rgb(0, 54, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 54, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 54, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 54, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 54, 251)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7318, 9.6034, 92.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 54, 251) }
```

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

```
.background{ background-color: rgb(0, 54,  
251) }
```

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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