

Converting Colors

XYZ(18.7097, 13.8862, 78.7863)

Have a look what the booklet for
XYZ(18.7097, 13.8862, 78.7863)
contains.

XYZ(18.7107, 13.8886, 78.7854)	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(18.7107, 13.8886,
78.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	005EE9
RGB	0, 94, 233
RGB Percent	0%, 37%, 91%
CMY	0.9997, 0.6314, 0.0863
CMYK	1.00, 0.60, 0.00, 0.09
HSL	216°, 100%, 46%
HSV	216°, 100%, 91%
XYZ	18.7107, 13.8886, 78.7854
YIQ	81.7400, -100.6430, 23.3010

Conversions

Conversions Part 2

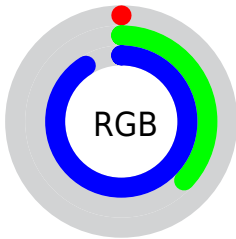
Format	Color
R_{YB}	0, 67, 233
Decimal	24297
CIE _{Lab}	44.07, 31.93, -75.98
CIE _{LCh}	44, 82.415, 292.793
Yxy	13.8886, 0.1680, 0.1247
Android (android.graphics.Color)	4278214377 (0xFF005EE9)
YUV	81.7400, 74.5712, -71.6860
Hunter-Lab	37.2674, 24.4008, -99.2552

Details

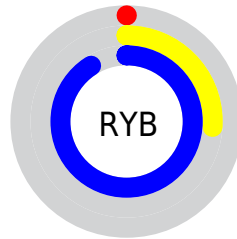
The XYZ color **18.7107, 13.8886, 78.7854** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **42.8469, 35.8080, 4.6552**, and the grayscale version is **7.8425, 8.2509, 8.9852**.

A 20% lighter version of the original color is **34.2076, 30.3547, 98.6638**, and **8.9771, 5.4158, 41.6465** is the 20% darker color. If you saturate the color by 10%, you get **18.7073, 13.8817, 78.7846**, and if you desaturate by 10%, it is **20.4221, 16.7744, 79.2526**.

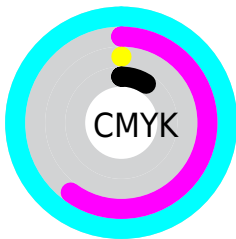
Distribution



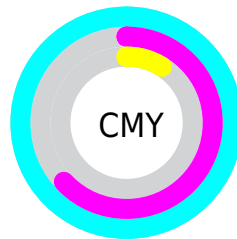
- Red (0%)
- Green (37%)
- Blue (91%)



- Red (0%)
- Yellow (26%)
- Blue (91%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (63%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7107, 13.8886, 78.7854 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 18.7107, 13.8886, 78.7854 by changing the saturation by 10% instead.

■ 18.7107, 13.8886,
78.7854

■ 18.7107, 13.8886,
78.7854

237.8159,
216.5367, 510.4285

■ 11.5642, 8.0432,
58.1991

■ 40.7653, 32.8912,
133.4526

■ 6.5177, 4.1226,
41.5530

■ 56.4042, 46.8173,
168.3706

■ 3.2060, 1.7424,
28.4285

■ 75.6045, 64.2057,
208.9030

■ 1.2636, 0.4509,
18.4071

■ 98.7317, 85.4408,
255.4682

■ 0.1557, 0.0000,
11.0702

■ 126.1510,
110.9071, 308.4848

■ 0.0000, 0.0000,
5.9993

158.2279,

■ 0.0000, 0.0000,

140.9889, 368.3714

2.7759

195.3278,
176.0706, 435.5464

■ 0.0000, 0.0000,
0.9814

■ 0.0000, 0.0000,
0.0000

■ 18.7107, 13.8886,
78.7854

■ 18.7107, 13.8886,
78.7854

■ 18.7073, 13.8817,
78.7846

■ 20.4221, 16.7744,
79.2526

■ 22.8008, 20.3513,
79.8177

■ 25.9948, 24.7110,
80.4908

■ 30.0940, 29.9142,
81.2791

■ 35.1753, 36.0140,
82.1887

■ 41.3062, 43.0585,
83.2252

■ 48.5481, 51.0914,
84.3941

■ 56.9573, 60.1537,
85.7000

■ 66.5860, 70.2836,
87.1478

Harmonies

Analogous

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



11.6817, 13.8886, 86.6481



18.7107, 13.8886, 78.7854



25.9998, 13.8886, 49.1390

Triad

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



18.7107, 13.8886, 78.7854



22.3838, 13.8886, 0.7234



4.2287, 13.8886, 11.0307

Complementary

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



18.7107, 13.8886, 78.7854



42.8469, 35.8080, 4.6552

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.



5.4914, 13.8886, 2.1121



18.7107, 13.8886, 78.7854



14.8460, 13.8886, 0.0000

Square

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



18.7107, 13.8886, 78.7854



28.5644, 13.8886, 5.0054



8.8949, 13.8886, 0.0006



4.6565, 13.8886, 33.8613

Rectangle

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



18.7107, 13.8886, 78.7854



29.2731, 13.8886, 28.5122



8.8949, 13.8886, 0.0006



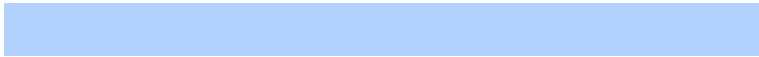
4.4499, 13.8886, 6.7599

Sweetspot

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



18.7115, 13.8889, 78.7858



59.4114, 62.5170, 103.5434



33.5798, 60.0545, 33.0934



11.8761, 12.4568, 22.0284



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.



18.7115, 13.8889, 78.7858



22.8836, 16.8872, 96.6612



14.9867, 6.0279, 77.4648



14.7298, 15.5461, 19.1466



10.7289, 8.1048, 44.7419



0.9346, 0.8206, 3.5440

Inverse Universe

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



35.6255, 18.1333, 12.2119



43.6798, 22.2359, 14.7778



56.7512, 72.5127, 11.0071



15.3172, 15.1547, 16.9556



20.2708, 10.3110, 7.2271



1.6382, 0.8283, 0.8123

Previews

White Background



This preview shows how the XYZ color 18.7107, 13.8886, 78.7854 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 18.7107, 13.8886, 78.7854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

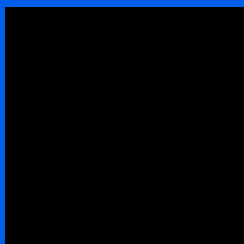
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

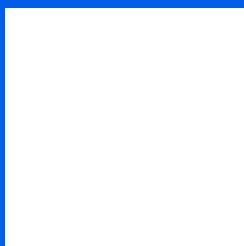
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7107, 13.8886, 78.7854

Background



This preview shows how black text looks on a background with the XYZ color 18.7107, 13.8886, 78.7854.



This preview shows how white text looks on a background with the XYZ color 18.7107, 13.8886,

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

18.7107, 13.8886, 78.7854

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

13.4945, 13.6443, 45.6384



Tritanopia

9.6436, 13.6666, 20.5420

Trichromacy



Original Color

18.7107, 13.8886, 78.7854

Protanomaly

17.2860, 13.9027, 69.4826

Deuteranomaly

15.1767, 13.6729, 56.4828

Tritanomaly

11.7793, 13.1240, 36.0948

Monochromacy



Original Color

18.7107, 13.8886, 78.7854

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.2593, 9.1918, 24.9531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7107, 13.8886, 78.7854 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, 94, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 233)  
}
```

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, 94, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 233) }
```

Border

The CSS property to change the border of an element to XYZ 18.7107, 13.8886, 78.7854 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, 94, 233) }
```


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

```
.border{ border-color:rgb(0, 94, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 94, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 233)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7107, 13.8886, 78.7854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 233) }
```

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

```
.background{ background-color: rgb(0, 94,  
233) }
```

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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