

Converting Colors

XYZ(18.9456, 14.0768, 79.6821)

Have a look what the booklet for
XYZ(18.9456, 14.0768, 79.6821)
contains.

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Color

**XYZ(18.9560, 14.1314,
79.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	015FEA
RGB	1, 95, 234
RGB Percent	0%, 37%, 92%
CMY	0.9958, 0.6275, 0.0824
CMYK	1.00, 0.59, 0.00, 0.08
HSL	216°, 99%, 46%
HSV	216°, 100%, 92%
XYZ	18.9560, 14.1314, 79.5704
YIQ	82.7400, -100.6430, 23.3010

Conversions

Conversions Part 2

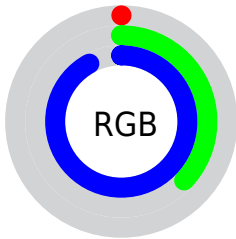
Format	Color
R _Y B	1, 68, 234
Decimal	90090
CIE Lab	44.42, 31.69, -75.97
CIE LCh	44, 82.319, 292.644
Yxy	14.1314, 0.1683, 0.1254
Android (android.graphics.Color)	4278280170 (0xFF015FEA)
YUV	82.7400, 74.5712, -71.6860
Hunter-Lab	37.5918, 24.2248, -99.1848

Details

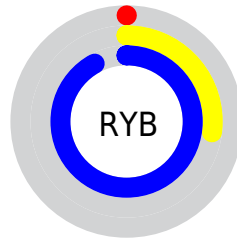
The XYZ color **18.9560, 14.1314, 79.5704** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **43.3249, 36.2693, 4.7477**, and the grayscale version is **8.0417, 8.4605, 9.2134**.

A 20% lighter version of the original color is **34.3597, 30.6589, 98.7146**, and **9.0764, 5.4555, 42.1696** is the 20% darker color. If you saturate the color by 10%, you get **18.8867, 14.0112, 79.5513**, and if you desaturate by 10%, it is **20.7038, 17.0698, 80.0459**.

Distribution



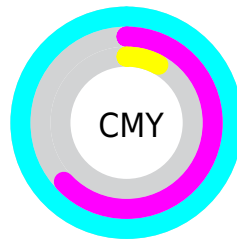
- Red (0%)
- Green (37%)
- Blue (92%)



- Red (0%)
- Yellow (27%)
- Blue (92%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (63%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9560, 14.1314, 79.5704 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 18.9560, 14.1314, 79.5704 by changing the saturation by 10% instead.

■ 18.9560, 14.1314,
79.5704

■ 18.9560, 14.1314,
79.5704

239.1485,
218.0467, 513.1524

■ 11.7423, 8.2121,
58.8408

■ 41.1772, 33.3220,
134.5675

■ 6.6394, 4.2310,
42.0658

■ 56.9154, 47.3621,
169.6721

■ 3.2819, 1.8036,
28.8269

■ 76.2258, 64.8779,
210.4055

■ 1.3046, 0.4894,
18.7054

■ 99.4738, 86.2539,
257.1861

■ 0.1866, 0.0000,
11.2830

■ 127.0247,
111.8743, 310.4326

■ 0.0000, 0.0000,
6.1409

159.2439,

■ 0.0000, 0.0000,

142.1237, 370.5634

2.8608

196.4967,
177.3864, 437.9972

■ 0.0000, 0.0000,
1.0240

■ 0.0000, 0.0000,
0.0000

■ 18.9560, 14.1314,
79.5704

■ 18.9560, 14.1314,
79.5704

■ 18.8867, 14.0112,
79.5513

■ 20.7038, 17.0698,
80.0459

■ 23.1376, 20.7132,
80.6208

■ 26.3991, 25.1501,
81.3053

■ 30.5786, 30.4414,
82.1064

■ 35.7531, 36.6406,
83.0302

■ 41.9906, 43.7960,
84.0826

■ 49.3530, 51.9517,
85.2688

■ 57.8969, 61.1491,
86.5937

■ 67.6750, 71.4265,
88.0621

Harmonies

Analogous

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



11.8659, 14.1314, 87.3200



18.9560, 14.1314, 79.5704



26.3120, 14.1314, 49.8268

Triad

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



18.9560, 14.1314, 79.5704



22.7363, 14.1314, 0.7798



4.3459, 14.1314, 11.1731

Complementary

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



18.9560, 14.1314, 79.5704



43.3249, 36.2693, 4.7477

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.



5.6381, 14.1314, 2.1701



18.9560, 14.1314, 79.5704



15.1290, 14.1314, 0.0000

Square

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



18.9560, 14.1314, 79.5704



28.9485, 14.1314, 5.1824



9.1004, 14.1314, 0.0429



4.7725, 14.1314, 34.1360

Rectangle

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



18.9560, 14.1314, 79.5704



29.6243, 14.1314, 29.0342



9.1004, 14.1314, 0.0429



4.5737, 14.1314, 6.8690

Sweetspot

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



18.9568, 14.1317, 79.5708



59.4116, 62.5173, 103.5435



33.9475, 60.6573, 33.5641



11.8762, 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.



18.9568, 14.1317, 79.5708



22.8838, 16.8876, 96.6613



15.1611, 6.1173, 78.2239



14.7298, 15.5461, 19.1466



10.7290, 8.1050, 44.7419



0.9346, 0.8206, 3.5440

Inverse Universe

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



36.0089, 18.3418, 12.4688



43.6799, 22.2359, 14.7782



57.3325, 73.2332, 11.1442



15.3172, 15.1547, 16.9556



20.2708, 10.3110, 7.2273



1.6382, 0.8283, 0.8123

Previews

White Background



This preview shows how the XYZ color 18.9560, 14.1314, 79.5704 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 18.9560, 14.1314, 79.5704 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 18.9560, 14.1314, 79.5704

Background



This preview shows how black text looks on a background with the XYZ color 18.9560, 14.1314, 79.5704.



This preview shows how white text looks on a background with the XYZ color 18.9560, 14.1314,

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

18.9560, 14.1314, 79.5704

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

13.8049, 13.9343, 46.7617



Tritanopia

9.8205, 13.9208, 20.9083

Trichromacy



Original Color

18.9560, 14.1314, 79.5704

Protanomaly

17.5130, 14.1441, 70.2137

Deuteranomaly

15.5109, 13.9648, 57.7551

Tritanomaly

11.9734, 13.3695, 36.5998

Monochromacy



Original Color

18.9560, 14.1314, 79.5704

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.4638, 9.4083, 25.3619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9560, 14.1314, 79.5704 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(1, 95, 234)` looks like.

```
.text, #text, p{  
    color:rgb(1, 95, 234)  
}
```

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(1, 95, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 95, 234) }
```

Border

The CSS property to change the border of an element to XYZ 18.9560, 14.1314, 79.5704 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(1, 95, 234) }
```


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

```
.border{ border-color:rgb(1, 95, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 95, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 95, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 95, 234);  
box-shadow:4px 4px 4px 4px rgb(1, 95, 234)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9560, 14.1314, 79.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 95, 234) }
```

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

```
.background{ background-color: rgb(1, 95,  
234) }
```

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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