

Converting Colors

XYZ(5.9881, 7.9636, 80.9109)

Have a look what the booklet for
XYZ(5.9881, 7.9636, 80.9109)
contains.

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Color

**XYZ(19.6022, 14.9798,
81.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	0063EC
RGB	0, 99, 236
RGB Percent	0%, 39%, 93%
CMY	0.9997, 0.6118, 0.0745
CMYK	1.00, 0.58, 0.00, 0.07
HSL	215°, 100%, 46%
HSV	215°, 100%, 93%
XYZ	19.6022, 14.9798, 81.2151
YIQ	85.0170, -102.9810, 21.6190

Conversions

Conversions Part 2

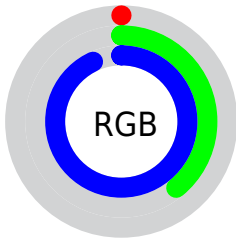
Format	Color
RYB	0, 70, 236
Decimal	25580
CIELab	45.61, 29.86, -75.16
CIELCh	46, 80.878, 291.670
Yxy	14.9798, 0.1693, 0.1294
Android (android.graphics.Color)	4278215660 (0xFF0063EC)
YUV	85.0170, 74.4346, -74.5599
Hunter-Lab	38.7037, 22.6729, -97.3202

Details

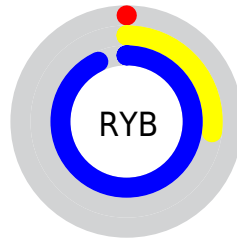
The XYZ color **19.6022, 14.9798, 81.2151** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **43.5483, 35.7444, 4.6061**, and the grayscale version is **8.5075, 8.9505, 9.7471**.

A 20% lighter version of the original color is **35.1041, 31.9661, 98.9276**, and **9.4559, 5.8930, 43.2869** is the 20% darker color. If you saturate the color by 10%, you get **19.5984, 14.9721, 81.2142**, and if you desaturate by 10%, it is **21.3813, 17.9905, 81.7029**.

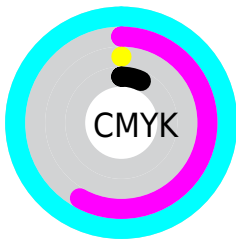
Distribution



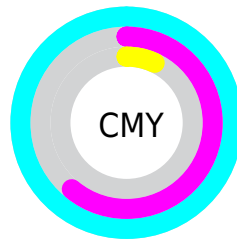
- Red (0%)
- Green (39%)
- Blue (93%)



- Red (0%)
- Yellow (27%)
- Blue (93%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6022, 14.9798, 81.2151 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 19.6022, 14.9798, 81.2151 by changing the saturation by 10% instead.

■ 19.6022, 14.9798,
81.2151

■ 19.6022, 14.9798,
81.2151

242.6282,
223.2439, 518.8328

■ 12.2128, 8.8052,
60.1867

■ 42.2583, 34.8177,
136.8995

■ 6.9620, 4.6143,
43.1429

■ 58.2557, 49.2499,
172.3927

■ 3.4845, 2.0228,
29.6650

■ 77.8531, 67.2033,
213.5445

■ 1.4148, 0.6207,
19.3346

■ 101.4159, 89.0625,
260.7736

■ 0.2668, 0.0000,
11.7330

■ 129.3095,
115.2117, 314.4984

■ 0.0000, 0.0000,
6.4418

161.8991,

■ 0.0000, 0.0000,

146.0354, 375.1375

3.0425

199.5503,
181.9180, 443.1095

■ 0.0000, 0.0000,
1.1164

■ 0.0000, 0.0000,
0.0000

■ 19.6022, 14.9798,
81.2151

■ 19.6022, 14.9798,
81.2151

■ 19.5984, 14.9721,
81.2142

■ 21.3813, 17.9905,
81.7029

■ 23.8382, 21.6930,
82.2880

■ 27.1237, 26.1796,
82.9809

■ 31.3300, 31.5111,
83.7883

■ 36.5352, 37.7409,
84.7164

■ 42.8085, 44.9166,
85.7708

■ 50.2125, 53.0824,
86.9567

■ 58.8046, 62.2790,
88.2790

■ 68.6380, 72.5445,
89.7422

Harmonies

Analogous

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



12.4351, 14.9798, 87.9238



19.6022, 14.9798, 81.2151



27.0755, 14.9798, 52.0468

Triad

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



19.6022, 14.9798, 81.2151



23.9261, 14.9798, 1.0651



4.8552, 14.9798, 11.4863

Complementary

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



19.6022, 14.9798, 81.2151



43.5483, 35.7444, 4.6061

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.



6.2767, 14.9798, 2.3977



19.6022, 14.9798, 81.2151



16.2070, 14.9798, 0.0000

Square

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



19.6022, 14.9798, 81.2151



30.0726, 14.9798, 6.0583



9.9540, 14.9798, 0.2426



5.2471, 14.9798, 34.2990

Rectangle

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



19.6022, 14.9798, 81.2151



30.5016, 14.9798, 31.0574



9.9540, 14.9798, 0.2426



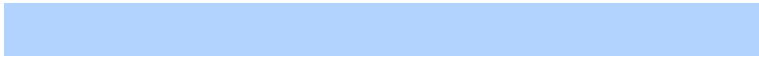
5.1149, 14.9798, 7.1751

Sweetspot

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



19.6030, 14.9801, 81.2155



59.7145, 63.1232, 103.6445



34.2831, 61.7063, 32.5715



11.9472, 12.5989, 22.0521



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.



19.6030, 14.9801, 81.2155



23.3000, 17.7200, 96.8000



15.3514, 6.1660, 79.7383



14.7502, 15.5869, 19.1534



10.9244, 8.4958, 44.8070



0.9510, 0.8535, 3.5495

Inverse Universe

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



36.8451, 18.7353, 13.4785



43.8899, 22.3200, 15.8844



59.5935, 75.2494, 11.3857



15.3275, 15.1588, 17.0098



20.3694, 10.3505, 7.7467



1.6465, 0.8316, 0.8560

Previews

White Background



This preview shows how the XYZ color 19.6022, 14.9798, 81.2151 looks on a white background.

Color Contrast Check

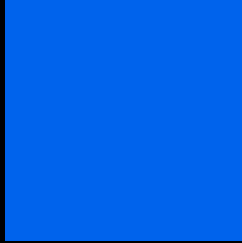
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6022, 14.9798, 81.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

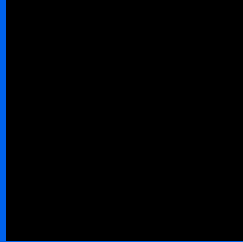
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

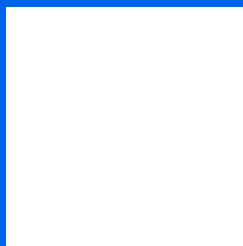
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6022, 14.9798, 81.2151

Background



This preview shows how black text looks on a background with the XYZ color 19.6022, 14.9798, 81.2151.



This preview shows how white text looks on a background with the XYZ color 19.6022, 14.9798,

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

19.6022, 14.9798, 81.2151

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

19.6022, 14.9798, 81.2151

Protanomaly

18.3420, 14.9390, 73.1509

Deuteranomaly

16.1735, 14.7158, 59.7456

Tritanomaly

12.6771, 14.3415, 38.1764

Monochromacy



Original Color

19.6022, 14.9798, 81.2151

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.9111, 9.9900, 26.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6022, 14.9798, 81.2151 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, 99, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 236)  
}
```

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, 99, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 236) }
```

Border

The CSS property to change the border of an element to XYZ 19.6022, 14.9798, 81.2151 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, 99, 236) }
```


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

```
.border{ border-color:rgb(0, 99, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 236)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6022, 14.9798, 81.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 236) }
```

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

```
.background{ background-color: rgb(0, 99,  
236) }
```

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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