

Converting Colors

XYZ(19.8563, 14.6187, 83.9798)

Have a look what the booklet for
XYZ(19.8563, 14.6187, 83.9798)
contains.

XYZ(19.9110, 14.6570, 84.2177)	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(19.9110, 14.6570,
84.2177)**

Conversions

Conversions Part 1

Format	Color
Hex	0060F0
RGB	0, 96, 240
RGB Percent	0%, 38%, 94%
CMY	0.9998, 0.6235, 0.0588
CMYK	1.00, 0.60, 0.00, 0.06
HSL	216°, 100%, 47%
HSV	216°, 100%, 94%
XYZ	19.9110, 14.6570, 84.2177
YIQ	83.7120, -103.4400, 24.4320

Conversions

Conversions Part 2

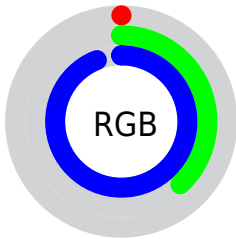
Format	Color
R_{YB}	0, 69, 240
Decimal	24816
CIE _{Lab}	45.16, 33.33, -78.14
CIE _{LCh}	45, 84.950, 293.100
Yxy	14.6570, 0.1676, 0.1234
Android (android.graphics.Color)	4278214896 (0xFF0060F0)
YUV	83.7120, 77.0500, -73.4154
Hunter-Lab	38.2845, 25.8366, -103.6263

Details

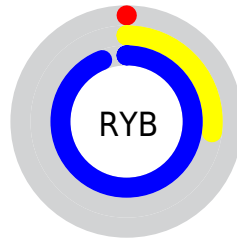
The XYZ color **19.9110, 14.6570, 84.2177** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **45.9186, 38.4914, 5.0112**, and the grayscale version is **8.2337, 8.6625, 9.4335**.

A 20% lighter version of the original color is **34.7593, 31.0928, 98.7772**, and **9.7311, 5.7866, 45.4038** is the 20% darker color. If you saturate the color by 10%, you get **19.9076, 14.6500, 84.2170**, and if you desaturate by 10%, it is **21.7260, 17.7253, 84.7147**.

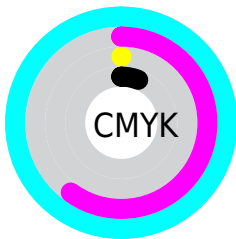
Distribution



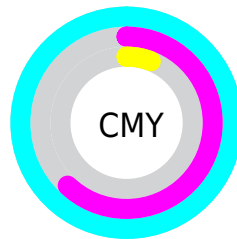
- Red (0%)
- Green (38%)
- Blue (94%)



- Red (0%)
- Yellow (27%)
- Blue (94%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (62%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9110, 14.6570, 84.2177 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 19.9110, 14.6570, 84.2177 by changing the saturation by 10% instead.


 19.9110, 14.6570,
84.2177


 19.9110, 14.6570,
84.2177


244.2757,
221.2806, 529.1128


 12.4383, 8.5790,
62.6488

 42.7730, 34.2503,
141.1441


 7.1172, 4.4676,
45.1179


 58.8930, 48.5345,
177.3387


 3.5825, 1.9384,
31.2067


 78.6260, 66.3228,
219.2455

 1.4688, 0.5713,
20.4965

 102.3376, 87.9996,
267.2831

 0.3044, 0.0000,
12.5688

 130.3930,
113.9494, 321.8702

 0.0000, 0.0000,
7.0051

163.1576,

 0.0000, 0.0000,

144.5566, 383.4251

3.3868

200.9967,
180.2056, 452.3665

■ 0.0000, 0.0000,
1.2954

■ 0.0000, 0.0000,
0.0580

■ 19.9110, 14.6570,
84.2177

■ 19.9110, 14.6570,
84.2177

■ 19.9076, 14.6500,
84.2170

■ 21.7260, 17.7253,
84.7147

■ 24.2593, 21.5396,
85.3174

■ 27.6686, 26.1978,
86.0369

■ 32.0509, 31.7657,
86.8806

■ 37.4888, 38.3010,
87.8554

■ 44.0555, 45.8555,
88.9675

■ 51.8170, 54.4768,
90.2225

■ 60.8340, 64.2091,
91.6258

■ 71.1628, 75.0938,
93.1823

Harmonies

Analogous

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



12.3750, 14.6570, 93.0357



19.9110, 14.6570, 84.2177



27.7143, 14.6570, 52.1239

Triad

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



19.9110, 14.6570, 84.2177



23.6824, 14.6570, 0.6943



4.3822, 14.6570, 11.7595

Complementary

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



19.9110, 14.6570, 84.2177



45.9186, 38.4914, 5.0112

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.



5.6982, 14.6570, 2.1965



19.9110, 14.6570, 84.2177



15.6123, 14.6570, 0.0000

Square

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



19.9110, 14.6570, 84.2177



30.3530, 14.6570, 5.1056



9.2871, 14.6570, 0.0000



4.8524, 14.6570, 36.3781

Rectangle

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



19.9110, 14.6570, 84.2177



31.1981, 14.6570, 30.0017



9.2871, 14.6570, 0.0000



4.6099, 14.6570, 7.1677

Sweetspot

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



19.9118, 14.6573, 84.2181



59.3470, 62.3882, 103.5219



36.1970, 64.3353, 36.9059



11.8611, 12.4266, 22.0234



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.



19.9118, 14.6573, 84.2181



22.7973, 16.7147, 96.6324



16.1070, 6.4875, 82.8418



15.4159, 16.2660, 20.0488



11.0195, 8.2631, 46.1420



1.0115, 0.8769, 3.8702

Inverse Universe

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



38.0473, 19.3712, 12.7998



43.6362, 22.2185, 14.5484



59.4815, 76.9206, 11.7139



16.0346, 15.8636, 17.7386



20.8877, 10.6275, 7.3253



1.7855, 0.9032, 0.8613

Previews

White Background



This preview shows how the XYZ color 19.9110, 14.6570, 84.2177 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 19.9110, 14.6570, 84.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

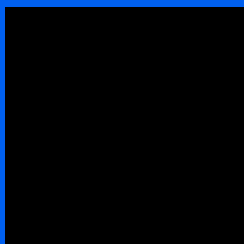
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

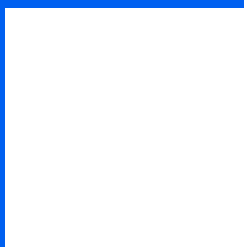
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9110, 14.6570, 84.2177

Background



This preview shows how black text looks on a background with the XYZ color 19.9110, 14.6570, 84.2177.



This preview shows how white text looks on a background with the XYZ color 19.9110, 14.6570,

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

19.9110, 14.6570, 84.2177

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

19.9110, 14.6570, 84.2177

Protanomaly

18.1478, 14.5506, 73.0862

Deuteranomaly

16.0909, 14.3569, 60.3156

Tritanomaly

12.5510, 13.9419, 38.5888

Monochromacy



Original Color

19.9110, 14.6570, 84.2177

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.7656, 9.6594, 26.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9110, 14.6570, 84.2177 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, 96, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 240)  
}
```

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, 96, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 240) }
```

Border

The CSS property to change the border of an element to XYZ 19.9110, 14.6570, 84.2177 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, 96, 240) }
```


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

```
.border{ border-color:rgb(0, 96, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 96, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 240)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9110, 14.6570, 84.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 240) }
```

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

```
.background{ background-color: rgb(0, 96,  
240) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor