

Converting Colors

XYZ(7.8760, 6.6571, 117.7331)

Have a look what the booklet for
XYZ(7.8760, 6.6571, 117.7331)
contains.

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Color

**XYZ(21.5397, 14.1994,
96.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	0058FF
RGB	0, 88, 255
RGB Percent	0%, 35%, 100%
CMY	0.9997, 0.6549, 0.0000
CMYK	1.00, 0.65, 0.00, 0.00
HSL	219°, 100%, 50%
HSV	219°, 100%, 100%
XYZ	21.5397, 14.1994, 96.2132
YIQ	80.7260, -106.0550, 33.2810

Conversions

Conversions Part 2

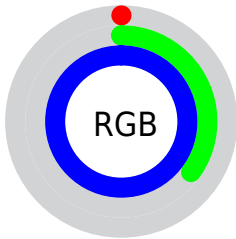
Format	Color
R _{YB}	0, 65, 255
Decimal	22783
CIE _{Lab}	44.52, 43.99, -87.58
CIE _{LCh}	45, 98.006, 296.668
Y _{xy}	14.1994, 0.1632, 0.1076
Android (android.graphics.Color)	4278212863 (0xFF0058FF)
YUV	80.7260, 85.9171, -70.7967
Hunter-Lab	37.6821, 36.0899, -125.0069

Details

The XYZ color **21.5397, 14.1994, 96.2132** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **55.0736, 48.9265, 6.5433**, and the grayscale version is **7.6233, 8.0203, 8.7341**.

A 20% lighter version of the original color is **34.2087, 29.0418, 98.4104**, and **10.9787, 5.8326, 53.3705** is the 20% darker color. If you saturate the color by 10%, you get **21.5354, 14.1908, 96.2118**, and if you desaturate by 10%, it is **23.4867, 17.4769, 96.7432**.

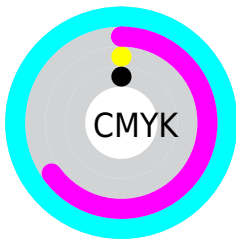
Distribution



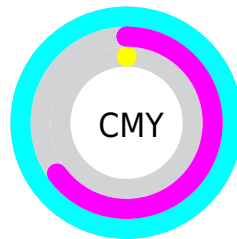
- Red (0%)
- Green (35%)
- Blue (100%)



- Red (0%)
- Yellow (25%)
- Blue (100%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5397, 14.1994, 96.2132 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 21.5397, 14.1994, 96.2132 by changing the saturation by 10% instead.

■ 21.5397, 14.1994,
96.2132

■ 21.5397, 14.1994,
96.2132

252.8107,
218.4678, 569.1249

■ 13.6338, 8.2595,
72.5427

■ 45.4686, 33.4424,
157.9496

■ 7.9464, 4.2614,
53.1126

■ 62.2222, 47.5143,
196.8525

■ 4.1122, 1.8209,
37.5043

■ 82.6559, 65.0656,
241.6701

■ 1.7658, 0.5001,
25.2993

■ 107.1348, 86.4808,
292.8207

■ 0.4969, 0.0000,
16.0792

■ 136.0244,
112.1442, 350.7229

■ 0.0000, 0.0000,
9.4252

169.6900,

■ 0.0000, 0.0000,

142.4403, 415.7953

4.9190

208.4970,
177.7533, 488.4565

■ 0.0000, 0.0000,
2.1419

■ 0.0000, 0.0000,
0.6405

■ 21.5397, 14.1994,
96.2132

■ 21.5397, 14.1994,
96.2132

■ 21.5354, 14.1908,
96.2118

■ 23.4867, 17.4769,
96.7432

■ 26.3062, 21.7000,
97.4098

■ 30.1813, 26.9898,
98.2266

■ 35.2294, 33.4317,
99.2039

■ 41.5507, 41.1007,
100.3510

■ 49.2336, 50.0643,
101.6762

■ 58.3584, 60.3847,
103.1873

■ 68.9986, 72.1197,
104.8916

■ 81.2226, 85.3233,
106.7959

Harmonies

Analogous

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



12.6312, 14.1994, 112.4837



21.5397, 14.1994, 96.2132



30.6130, 14.1994, 53.8809

Triad

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



21.5397, 14.1994, 96.2132



23.6993, 14.1994, 0.0000



3.2937, 14.1994, 13.0645

Complementary

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



21.5397, 14.1994, 96.2132



55.0736, 48.9265, 6.5433

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.



4.3586, 14.1994, 1.7516



21.5397, 14.1994, 96.2132



14.3996, 14.1994, 0.0000

Square

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



21.5397, 14.1994, 96.2132



32.1648, 14.1994, 2.9921



7.7552, 14.1994, 0.0000



3.9556, 14.1994, 44.4160

Rectangle

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



21.5397, 14.1994, 96.2132



34.3692, 14.1994, 27.8395



7.7552, 14.1994, 0.0000



3.4460, 14.1994, 7.4336

Sweetspot

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



21.5405, 14.1996, 96.2132



58.3287, 60.3515, 103.1825



42.6234, 74.2655, 48.0574



11.6230, 11.9505, 21.9440



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.



21.5405, 14.1996, 96.2132



21.5354, 14.1908, 96.2118



18.8618, 7.6398, 95.0882



17.5152, 18.4020, 22.8787



11.3774, 7.6644, 50.3143



1.2050, 0.9406, 4.9313

Inverse Universe

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



43.0022, 21.9662, 11.2055



42.9993, 21.9637, 11.1943



64.3049, 86.2354, 13.2581



18.2680, 18.0905, 20.0282



22.5310, 11.5017, 6.1807



2.2428, 1.1395, 0.8601

Previews

White Background



This preview shows how the XYZ color 21.5397, 14.1994, 96.2132 looks on a white background.

Color Contrast Check

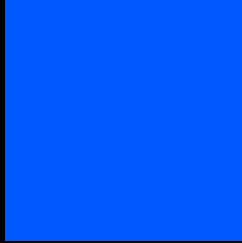
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5397, 14.1994, 96.2132 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 21.5397, 14.1994, 96.2132

Background



This preview shows how black text looks on a background with the XYZ color 21.5397, 14.1994, 96.2132.



This preview shows how white text looks on a background with the XYZ color 21.5397, 14.1994,

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

21.5397, 14.1994, 96.2132

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

13.7012, 13.8928, 46.2154



Tritanopia

9.7582, 13.8959, 20.5802

Trichromacy



Original Color

21.5397, 14.1994, 96.2132

Protanomaly

18.1865, 13.9672, 75.1362

Deuteranomaly

16.0658, 13.7178, 62.1226

Tritanomaly

12.4097, 13.2103, 39.9260

Monochromacy



Original Color

21.5397, 14.1994, 96.2132

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.6205, 9.0843, 27.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5397, 14.1994, 96.2132 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, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 255)  
}
```

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, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.5397, 14.1994, 96.2132 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, 88, 255) }
```


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

```
.border{ border-color:rgb(0, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5397, 14.1994, 96.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 255) }
```

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

```
.background{ background-color: rgb(0, 88,  
255) }
```

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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