

Converting Colors

XYZ(21.1711, 13.0384, 96.0086)

Have a look what the booklet for
XYZ(21.1711, 13.0384, 96.0086)
contains.

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Color

**XYZ(21.2072, 13.1060,
96.0197)**

Conversions

Conversions Part 1

Format	Color
Hex	1450FF
RGB	20, 80, 255
RGB Percent	8%, 31%, 100%
CMY	0.9214, 0.6863, 0.0000
CMYK	0.92, 0.69, 0.00, 0.00
HSL	225°, 100%, 54%
HSV	225°, 92%, 100%
XYZ	21.2072, 13.1060, 96.0197
YIQ	82.0100, -91.9350, 41.7050

Conversions

Conversions Part 2

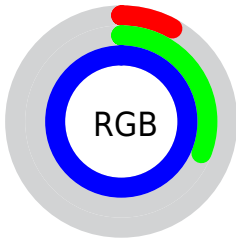
Format	Color
R _Y B	20, 68, 255
Decimal	1331455
CIE Lab	42.92, 49.29, -90.20
CIE LCh	43, 102.788, 298.652
Yxy	13.1060, 0.1627, 0.1006
Android (android.graphics.Color)	4279521535 (0xFF1450FF)
YUV	82.0100, 85.2841, -54.3828
Hunter-Lab	36.2022, 41.2112, -131.9143

Details

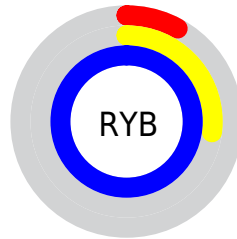
The XYZ color **21.2072, 13.1060, 96.0197** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **60.8940, 60.3653, 9.1064**, and the grayscale version is **7.8732, 8.2832, 9.0204**.

A 20% lighter version of the original color is **33.5080, 26.8425, 98.0228**, and **10.7089, 5.2930, 53.2805** is the 20% darker color. If you saturate the color by 10%, you get **19.9438, 11.0077, 95.6813**, and if you desaturate by 10%, it is **23.6176, 16.7125, 96.5888**.

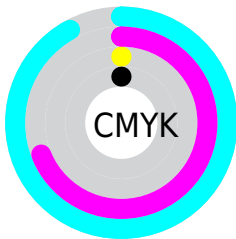
Distribution



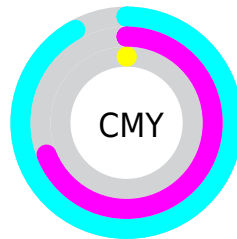
- Red (8%)
- Green (31%)
- Blue (100%)



- Red (8%)
- Yellow (27%)
- Blue (100%)



- Cyan (92%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2072, 13.1060, 96.0197 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 21.2072, 13.1060, 96.0197 by changing the saturation by 10% instead.

■ 21.2072, 13.1060,
96.0197

■ 21.2072, 13.1060,
96.0197

251.0885,
211.5959, 568.4918

■ 13.3889, 7.5016,
72.3824

■ 44.9208, 31.4941,
157.6803

■ 7.7757, 3.7777,
52.9824

■ 61.5468, 45.0465,
196.5406

■ 4.0024, 1.5500,
37.4011

■ 81.8393, 62.0171,
241.3124

■ 1.7035, 0.3235,
25.2200

■ 106.1639, 82.7902,
292.4142

■ 0.4584, 0.0000,
16.0205

■ 134.8857,
107.7503, 350.2645

■ 0.0000, 0.0000,
9.3841

168.3702,

■ 0.0000, 0.0000,

137.2816, 415.2818

4.8924

206.9827,
171.7687, 487.8848

■ 0.0000, 0.0000,
2.1266

■ 0.0000, 0.0000,
0.6315

■ 21.2072, 13.1060,
96.0197

■ 21.2072, 13.1060,
96.0197

■ 19.9438, 11.0077,
95.6813

■ 23.6176, 16.7125,
96.5888

■ 27.1290, 21.5148,
97.3307

■ 31.8747, 27.6221,
98.2594

■ 37.9672, 35.1290,
99.3872

■ 45.5052, 44.1210,
100.7256

■ 54.5779, 54.6760,
102.2847

■ 65.2670, 66.8662,
104.0743

■ 77.6484, 80.7594,
106.1034

■ 91.7928, 96.4192,
108.3805

Harmonies

Analogous

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



12.1045, 13.1060, 116.1433



21.2072, 13.1060, 96.0197



30.3523, 13.1060, 50.7464

Triad

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



21.2072, 13.1060, 96.0197



22.0980, 13.1060, 0.0000



2.6292, 13.1060, 13.2754

Complementary

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



21.2072, 13.1060, 96.0197



60.8940, 60.3653, 9.1064

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.



3.4903, 13.1060, 1.5162



21.2072, 13.1060, 96.0197



12.8160, 13.1060, 0.0000

Square

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



21.2072, 13.1060, 96.0197



31.0011, 13.1060, 1.9476



6.5211, 13.1060, 0.0000



3.3402, 13.1060, 46.7449

Rectangle

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



21.2072, 13.1060, 96.0197



33.9480, 13.1060, 24.6025



6.5211, 13.1060, 0.0000



2.7339, 13.1060, 7.3315

Sweetspot

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



21.2080, 13.1062, 96.0197



58.7991, 59.5164, 102.9965



45.6025, 75.4904, 62.2387



11.6442, 11.6595, 21.8867



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.



21.2080, 13.1062, 96.0197



19.9438, 11.0077, 95.6813



21.1928, 9.2129, 95.2690



17.3796, 18.1309, 22.8336



10.5213, 5.9522, 50.0289



1.1076, 0.7458, 4.8989

Inverse Universe

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



42.9389, 22.3413, 9.6380



42.1959, 21.6424, 6.9638



59.7539, 83.8747, 13.7043



18.1995, 18.0631, 19.6678



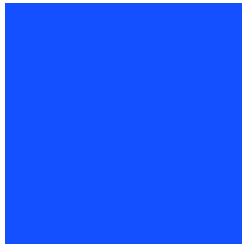
22.0989, 11.3288, 3.9052



2.1937, 1.1198, 0.6012

Previews

White Background



This preview shows how the XYZ color 21.2072, 13.1060, 96.0197 looks on a white background.

Color Contrast Check

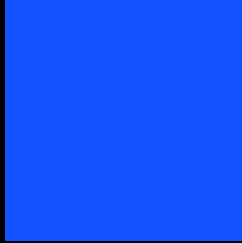
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2072, 13.1060, 96.0197 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 21.2072, 13.1060, 96.0197

Background



This preview shows how black text looks on a background with the XYZ color 21.2072, 13.1060, 96.0197.



This preview shows how white text looks on a background with the XYZ color 21.2072, 13.1060,

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

21.2072, 13.1060, 96.0197

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

8.8953, 12.6532, 18.8031

Trichromacy



Original Color

21.2072, 13.1060, 96.0197

Protanomaly

17.1480, 12.8551, 71.3895

Deuteranomaly

14.9593, 12.5414, 58.1322

Tritanomaly

11.6198, 11.9495, 38.2533

Monochromacy



Original Color

21.2072, 13.1060, 96.0197

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.8569, 8.8590, 27.9785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2072, 13.1060, 96.0197 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(20, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 80, 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(20, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 80, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.2072, 13.1060, 96.0197 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(20, 80, 255) }
```


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

```
.border{ border-color:rgb(20, 80, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 80, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 80,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2072, 13.1060, 96.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 80, 255) }
```

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

```
.background{ background-color: rgb(20, 80,  
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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