

Converting Colors

XYZ(21.2189, 13.3327, 96.0629)

Have a look what the booklet for
XYZ(21.2189, 13.3327, 96.0629)
contains.

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Color

**XYZ(21.2189, 13.3327,
96.0629)**

Conversions

Conversions Part 1

Format	Color
Hex	0C52FF
RGB	12, 82, 255
RGB Percent	5%, 32%, 100%
CMY	0.9527, 0.6784, 0.0000
CMYK	0.95, 0.68, 0.00, 0.00
HSL	223°, 100%, 52%
HSV	223°, 95%, 100%
XYZ	21.2189, 13.3327, 96.0629
YIQ	80.7920, -97.2530, 38.9630

Conversions

Conversions Part 2

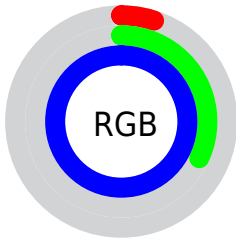
Format	Color
R _Y B	12, 66, 255
Decimal	807679
CIE Lab	43.26, 47.89, -89.65
CIE LCh	43, 101.635, 298.109
Yxy	13.3327, 0.1625, 0.1021
Android (android.graphics.Color)	4278997759 (0xFF0C52FF)
YUV	80.7920, 85.8845, -60.3306
Hunter-Lab	36.5140, 39.8300, -130.4235




Details

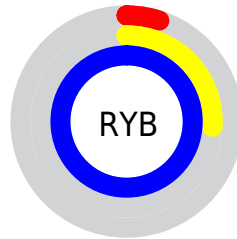
The XYZ color **21.2189, 13.3327, 96.0629** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **58.6706, 56.0144, 8.0696**, and the grayscale version is **7.6345, 8.0320, 8.7469**.




A 20% lighter version of the original color is **33.5024, 27.2345, 98.0988**, and **10.7712, 5.4174, 53.3013** is the 20% darker color. If you saturate the color by 10%, you get **20.4591, 12.0382, 95.8530**, and if you desaturate by 10%, it is **23.4058, 16.7684, 96.6108**.

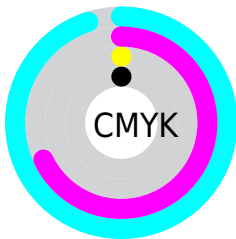
Distribution







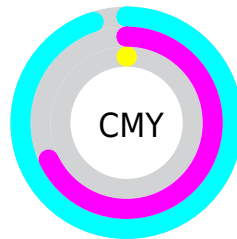
-  Red (5%)
-  Green (32%)
-  Blue (100%)






-  Red (5%)
-  Yellow (26%)
-  Blue (100%)



-  Cyan (95%)
-  Magenta (68%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (95%)
-  Magenta (68%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2189, 13.3327, 96.0629 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 21.2189, 13.3327, 96.0629 by changing the saturation by 10% instead.

■ 21.2189, 13.3327,
96.0629

■ 21.2189, 13.3327,
96.0629

251.1493,
213.0390, 568.6332

■ 13.3975, 7.6580,
72.4182

■ 44.9401, 31.9002,
157.7404

■ 7.7817, 3.8769,
53.0114

■ 61.5706, 45.5619,
196.6103

■ 4.0062, 1.6050,
37.4241

■ 81.8681, 62.6546,
241.3923

■ 1.7056, 0.3609,
25.2377

■ 106.1981, 83.5629,
292.5050

■ 0.4598, 0.0000,
16.0336

■ 134.9258,
108.6711, 350.3669

■ 0.0000, 0.0000,
9.3933

168.4167,

■ 0.0000, 0.0000,

138.3636, 415.3965

4.8983

207.0361,
173.0248, 488.0124

■ 0.0000, 0.0000,
2.1300

■ 0.0000, 0.0000,
0.6336

■ 21.2189, 13.3327,
96.0629

■ 21.2189, 13.3327,
96.0629

■ 20.4591, 12.0382,
95.8530

■ 23.4058, 16.7684,
96.6108

■ 26.6201, 21.3107,
97.3181

■ 31.0000, 27.0654,
98.1980

■ 36.6593, 34.1238,
99.2621

■ 43.6971, 42.5670,
100.5209

■ 52.2025, 52.4690,
101.9839

■ 62.2563, 63.8981,
103.6601

■ 73.9336, 76.9182,
105.5577

■ 87.3041, 91.5892,
107.6848

Harmonies

Analogous

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



12.1797, 13.3327, 115.1281



21.2189, 13.3327, 96.0629



30.3434, 13.3327, 51.5389

Triad

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



21.2189, 13.3327, 96.0629



22.4615, 13.3327, 0.0000



2.7691, 13.3327, 13.1339

Complementary

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



21.2189, 13.3327, 96.0629



58.6706, 56.0144, 8.0696

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.



3.6792, 13.3327, 1.5507



21.2189, 13.3327, 96.0629



13.1781, 13.3327, 0.0000

Square

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



21.2189, 13.3327, 96.0629



31.2455, 13.3327, 2.1775



6.7979, 13.3327, 0.0000



3.4647, 13.3327, 45.9888

Rectangle

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



21.2189, 13.3327, 96.0629



33.9858, 13.3327, 25.3981



6.7979, 13.3327, 0.0000



2.8855, 13.3327, 7.2952

Sweetspot

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



21.2197, 13.3329, 96.0628



58.3174, 59.4491, 103.0089



44.3685, 74.9810, 56.4557



11.5771, 11.6935, 21.8968



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.



21.2197, 13.3329, 96.0628



20.4591, 12.0382, 95.8530



20.0856, 8.4658, 95.1832



17.4289, 18.2293, 22.8500



10.8002, 6.5099, 50.1219



1.1403, 0.8114, 4.9098

Inverse Universe

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



42.8952, 22.1338, 9.9936



42.4560, 21.7464, 8.3334



61.3954, 84.7278, 13.4683



18.2244, 18.0731, 19.7987



22.2396, 11.3851, 4.6464



2.2102, 1.1265, 0.6884

Previews

White Background



This preview shows how the XYZ color 21.2189, 13.3327, 96.0629 looks on a white background.

Color Contrast Check

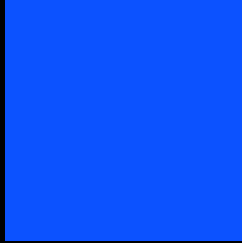
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2189, 13.3327, 96.0629 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 21.2189, 13.3327, 96.0629

Background



This preview shows how black text looks on a background with the XYZ color 21.2189, 13.3327, 96.0629.



This preview shows how white text looks on a background with the XYZ color 21.2189, 13.3327,

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

21.2189, 13.3327, 96.0629

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

9.0642, 12.8963, 19.1511

Trichromacy



Original Color

21.2189, 13.3327, 96.0629

Protanomaly

17.3318, 13.0619, 72.1287

Deuteranomaly

15.2524, 12.7993, 59.4242

Tritanomaly

11.7716, 12.1603, 38.7725

Monochromacy



Original Color

21.2189, 13.3327, 96.0629

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.6074, 8.7392, 27.5660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2189, 13.3327, 96.0629 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(12, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 82, 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(12, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.2189, 13.3327, 96.0629 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(12, 82, 255) }
```


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

```
.border{ border-color:rgb(12, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 82,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2189, 13.3327, 96.0629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 82, 255) }
```

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

```
.background{ background-color: rgb(12, 82,  
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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