

Converting Colors

XYZ(24.2141, 16.1828, 96.4551)

Have a look what the booklet for
XYZ(24.2141, 16.1828, 96.4551)
contains.

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Color

**XYZ(24.2111, 16.2070,
96.4599)**

Conversions

Conversions Part 1

Format	Color
Hex	425DFF
RGB	66, 93, 255
RGB Percent	26%, 36%, 100%
CMY	0.7411, 0.6353, 0.0000
CMYK	0.74, 0.64, 0.00, 0.00
HSL	231°, 100%, 63%
HSV	231°, 74%, 100%
XYZ	24.2111, 16.2070, 96.4599
YIQ	103.3950, -68.0940, 44.6580

Conversions

Conversions Part 2

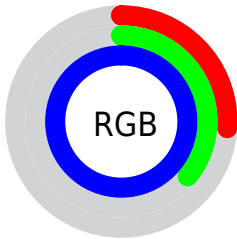
Format	Color
R _Y B	66, 90, 255
Decimal	4349439
CIE Lab	47.24, 44.35, -83.04
CIE LCh	47, 94.141, 298.103
Yxy	16.2070, 0.1769, 0.1184
Android (android.graphics.Color)	4282539519 (0xFF425DFF)
YUV	103.3950, 74.7413, -32.7954
Hunter-Lab	40.2579, 36.8985, -113.8811

Details

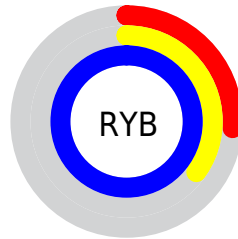
The XYZ color **24.2111, 16.2070, 96.4599** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed blue. A complement of this color would be **69.9709, 77.1479, 16.3595**, and the grayscale version is **12.8190, 13.4866, 14.6869**.

A 20% lighter version of the original color is **38.5199, 32.3539, 98.8224**, and **11.0946, 6.0642, 53.4091** is the 20% darker color. If you saturate the color by 10%, you get **21.2074, 12.2059, 95.8460**, and if you desaturate by 10%, it is **28.5297, 21.6995, 97.2925**.

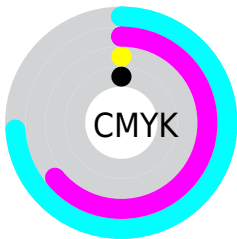
Distribution



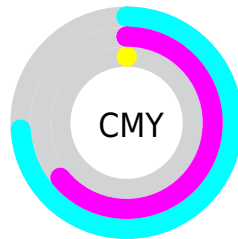
- Red (26%)
- Green (36%)
- Blue (100%)



- Red (26%)
- Yellow (35%)
- Blue (100%)



- Cyan (74%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2111, 16.2070, 96.4599 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 24.2111, 16.2070, 96.4599 by changing the saturation by 10% instead.

■ 24.2111, 16.2070,
96.4599

■ 24.2111, 16.2070,
96.4599

266.3067,
230.5601, 569.9315

■ 15.6159, 9.6708,
72.7471

■ 49.8266, 36.9572,
158.2929

■ 9.3419, 5.1812,
53.2786

■ 67.5777, 51.9399,
197.2501

■ 5.0237, 2.3540,
37.6360

■ 89.1113, 70.5069,
242.1258

■ 2.2961, 0.8021,
25.4006

■ 114.7930, 93.0426,
293.3386

■ 0.7927, 0.0000,
16.1541

144.9880,
119.9314, 351.3071

■ 0.0000, 0.0000,
9.4777

180.0617,

■ 0.0000, 0.0000,

151.5576, 416.4497

4.9530

220.3795,
188.3057, 489.1850

■ 0.0000, 0.0000,
2.1615

■ 0.0000, 0.0000,
0.6520

■ 24.2111, 16.2070,
96.4599

■ 24.2111, 16.2070,
96.4599

■ 21.2074, 12.2059,
95.8460

■ 28.5297, 21.6995,
97.2925

■ 19.3574, 9.5420,
95.4293

■ 34.2934, 28.8138,
98.3619

■ 18.6934, 8.5069,
95.2645

■ 41.6189, 37.6669,
99.6846

■ 50.6104, 48.3645,
101.2756

■ 61.3628, 61.0038,
103.1485

■ 73.9639, 75.6751,
105.3162

■ 88.4956, 92.4630,
107.7907

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.8821, 16.2070, 114.0789



24.2111, 16.2070, 96.4599



33.3140, 16.2070, 54.4887

Triad

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



24.2111, 16.2070, 96.4599



25.4691, 16.2070, 0.1070



4.3259, 16.2070, 16.1767

Complementary

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



24.2111, 16.2070, 96.4599



69.9709, 77.1479, 16.3595

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.



5.4394, 16.2070, 2.8381



24.2111, 16.2070, 96.4599



15.9386, 16.2070, 0.0000

Square

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



24.2111, 16.2070, 96.4599



34.2052, 16.2070, 3.6857



9.0433, 16.2070, 0.0000



5.1797, 16.2070, 49.1193

Rectangle

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



24.2111, 16.2070, 96.4599



36.8917, 16.2070, 28.8451



9.0433, 16.2070, 0.0000



4.4707, 16.2070, 9.8020

Sweetspot

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



24.2120, 16.2073, 96.4600



63.8679, 63.9309, 103.5814



51.8248, 78.2056, 84.7852



12.9853, 12.8831, 22.0522



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.



24.2120, 16.2073, 96.4600



20.1702, 10.7474, 95.6191



29.5395, 16.0363, 96.1462



17.2122, 17.7960, 22.7777



9.8306, 4.5707, 49.7987



1.0171, 0.5649, 4.8687

Inverse Universe

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



45.1647, 25.9483, 12.9839



42.4842, 22.4240, 6.4277



57.6940, 82.7137, 18.0809



18.1150, 18.0293, 19.2228



21.7502, 11.1894, 2.0692



2.1480, 1.1016, 0.3608

Previews

White Background



This preview shows how the XYZ color 24.2111, 16.2070, 96.4599 looks on a white background.

Color Contrast Check

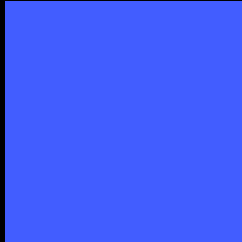
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2111, 16.2070, 96.4599 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 24.2111, 16.2070, 96.4599

Background



This preview shows how black text looks on a background with the XYZ color 24.2111, 16.2070, 96.4599.



This preview shows how white text looks on a background with the XYZ color 24.2111, 16.2070,

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

24.2111, 16.2070, 96.4599

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

15.7549, 15.9297, 53.2833

Trichromacy



Original Color

24.2111, 16.2070, 96.4599

Protanomaly

20.4141, 15.8114, 82.0967

Deuteranomaly

17.9254, 15.4601, 67.0051

Monochromacy



Original Color

24.2111, 16.2070, 96.4599

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.8498, 13.5660, 34.1836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2111, 16.2070, 96.4599 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(66, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 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(66, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.2111, 16.2070, 96.4599 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(66, 93, 255) }
```

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

```
.border{ border-color:rgb(66, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 93,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 24.2111, 16.2070, 96.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 255) }
```

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

```
.background{ background-color: rgb(66, 93,  
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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