

Converting Colors

XYZ(25.2016, 16.7180,
101.5850)

Have a look what the booklet for
XYZ(25.2016, 16.7180, 101.5850)
contains.

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Color

**XYZ(24.2327, 16.3492,
96.4863)**

Conversions

Conversions Part 1

Format	Color
Hex	415EFF
RGB	65, 94, 255
RGB Percent	25%, 37%, 100%
CMY	0.7450, 0.6314, 0.0000
CMYK	0.75, 0.63, 0.00, 0.00
HSL	231°, 100%, 63%
HSV	231°, 75%, 100%
XYZ	24.2327, 16.3492, 96.4863
YIQ	103.6830, -68.9650, 43.9230

Conversions

Conversions Part 2

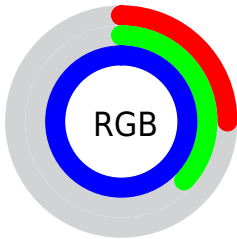
Format	Color
R _{YB}	65, 90, 255
Decimal	4284159
CIE _{Lab}	47.43, 43.65, -82.74
CIE _{LCh}	47, 93.547, 297.811
Yxy	16.3492, 0.1768, 0.1193
Android (android.graphics.Color)	4282474239 (0xFF415EFF)
YUV	103.6830, 74.5993, -33.9250
Hunter-Lab	40.4341, 36.2176, -113.1773

Details

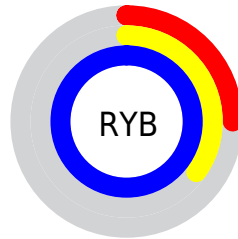
The XYZ color **24.2327, 16.3492, 96.4863** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed blue. A complement of this color would be **69.3952, 76.0432, 16.0235**, and the grayscale version is **12.8956, 13.5671, 14.7746**.

A 20% lighter version of the original color is **38.5045, 32.5698, 98.8649**, and **11.1350, 6.1451, 53.4226** is the 20% darker color. If you saturate the color by 10%, you get **21.2489, 12.3467, 95.8709**, and if you desaturate by 10%, it is **28.5171, 21.8203, 97.3165**.

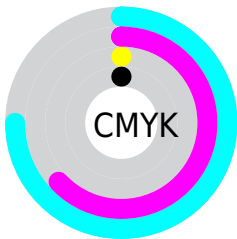
Distribution



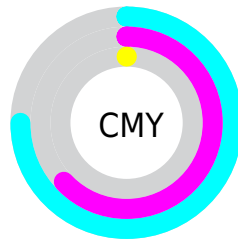
- Red (25%)
- Green (37%)
- Blue (100%)



- Red (25%)
- Yellow (35%)
- Blue (100%)



- Cyan (75%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2327, 16.3492, 96.4863 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 24.2327, 16.3492, 96.4863 by changing the saturation by 10% instead.

■ 24.2327, 16.3492,
96.4863

■ 24.2327, 16.3492,
96.4863

266.4135,
231.3935, 570.0178

■ 15.6320, 9.7716,
72.7689

■ 49.8616, 37.2034,
158.3296

■ 9.3533, 5.2478,
53.2964

■ 67.6205, 52.2487,
197.2926

■ 5.0313, 2.3934,
37.6501

■ 89.1628, 70.8855,
242.1746

■ 2.3006, 0.8225,
25.4115

■ 114.8539, 93.4980,
293.3940

■ 0.7950, 0.0000,
16.1621

145.0592,
120.4706, 351.3696

■ 0.0000, 0.0000,
9.4833

180.1440,

■ 0.0000, 0.0000,

152.1879, 416.5197

4.9567

220.4737,
189.0340, 489.2629

■ 0.0000, 0.0000,
2.1636

■ 0.0000, 0.0000,
0.6532

■ 24.2327, 16.3492,
96.4863

■ 24.2327, 16.3492,
96.4863

■ 21.2489, 12.3467,
95.8709

■ 28.5171, 21.8203,
97.3165

■ 19.4055, 9.6619,
95.4499

■ 34.2311, 28.8875,
98.3794

■ 18.7723, 8.6647,
95.2908

■ 41.4908, 37.6651,
99.6910

■ 50.3992, 48.2566,
101.2659

■ 61.0505, 60.7571,
103.1173

■ 73.5315, 75.2549,
105.2579

■ 87.9233, 91.8328,
107.6992

■ 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.



14.9382, 16.3492, 113.5866



24.2327, 16.3492, 96.4863



33.3248, 16.3492, 54.9100

Triad

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



24.2327, 16.3492, 96.4863



25.6794, 16.3492, 0.1822



4.4289, 16.3492, 16.1133

Complementary

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



24.2327, 16.3492, 96.4863



69.3952, 76.0432, 16.0235

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.



5.5719, 16.3492, 2.8710



24.2327, 16.3492, 96.4863



16.1566, 16.3492, 0.0000

Square

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



24.2327, 16.3492, 96.4863



34.3481, 16.3492, 3.8626



9.2222, 16.3492, 0.0000



5.2701, 16.3492, 48.7525

Rectangle

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



24.2327, 16.3492, 96.4863



36.9264, 16.3492, 29.2931



9.2222, 16.3492, 0.0000



4.5813, 16.3492, 9.7936

Sweetspot

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



24.2335, 16.3495, 96.4863



64.0008, 64.1966, 103.6257



51.3056, 77.9902, 82.3992



13.0160, 12.9447, 22.0625



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.



24.2335, 16.3495, 96.4863



20.2897, 10.9865, 95.6590



28.8949, 15.6181, 96.0994



17.2267, 17.8249, 22.7826



9.8752, 4.6600, 49.8136



1.0239, 0.5785, 4.8710

Inverse Universe

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



45.1515, 25.8504, 13.1993



42.5445, 22.4481, 6.7455



58.3697, 83.0655, 17.9601



18.1223, 18.0322, 19.2612



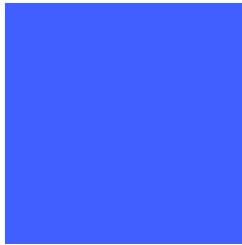
21.7728, 11.1984, 2.1879



2.1514, 1.1029, 0.3788

Previews

White Background



This preview shows how the XYZ color 24.2327, 16.3492, 96.4863 looks on a white background.

Color Contrast Check

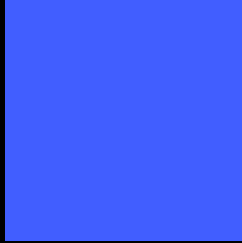
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2327, 16.3492, 96.4863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

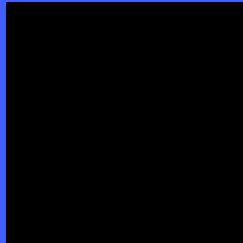
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2327, 16.3492, 96.4863

Background



This preview shows how black text looks on a background with the XYZ color 24.2327, 16.3492, 96.4863.



This preview shows how white text looks on a background with the XYZ color 24.2327, 16.3492,

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

24.2327, 16.3492, 96.4863

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.9811, 16.2016, 53.9147



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

24.2327, 16.3492, 96.4863

Protanomaly

20.4141, 15.8114, 82.0967

Deuteranomaly

18.1588, 15.7193, 67.7227

Tritanomaly

14.2176, 15.1788, 43.7754

Monochromacy



Original Color

24.2327, 16.3492, 96.4863

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.0316, 13.7912, 34.6706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2327, 16.3492, 96.4863 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(65, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 94, 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(65, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.2327, 16.3492, 96.4863 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(65, 94, 255) }
```


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

```
.border{ border-color:rgb(65, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2327, 16.3492, 96.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 94, 255) }
```

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

```
.background{ background-color: rgb(65, 94,  
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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