

Converting Colors

XYZ(16.4023, 7.2813, 81.7416)

Have a look what the booklet for
XYZ(16.4023, 7.2813, 81.7416)
contains.

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Color

**XYZ(16.3546, 7.2648,
81.4292)**

Conversions

Conversions Part 1

Format	Color
Hex	1D1CEE
RGB	29, 28, 238
RGB Percent	11%, 11%, 93%
CMY	0.8862, 0.8902, 0.0667
CMYK	0.88, 0.88, 0.00, 0.07
HSL	240°, 86%, 52%
HSV	240°, 88%, 93%
XYZ	16.3546, 7.2648, 81.4292
YIQ	52.2390, -66.8140, 65.5220

Conversions

Conversions Part 2

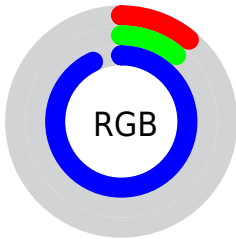
Format	Color
R _Y B	29, 28, 238
Decimal	1907950
CIE Lab	32.40, 69.47, -98.09
CIE LCh	32, 120.197, 305.309
Yxy	7.2648, 0.1557, 0.0692
Android (android.graphics.Color)	4280098030 (0xFF1D1CEE)
YUV	52.2390, 91.5802, -20.3806
Hunter-Lab	26.9533, 61.1412, -160.2550

Details

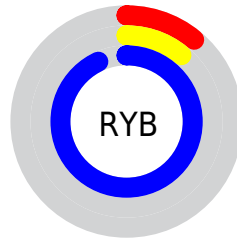
The XYZ color **16.3546, 7.2648, 81.4292** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **65.6966, 79.2312, 12.9286**, and the grayscale version is **3.1937, 3.3600, 3.6591**.

A 20% lighter version of the original color is **28.9525, 17.3195, 96.4248**, and **8.2382, 3.2953, 43.3819** is the 20% darker color. If you saturate the color by 10%, you get **15.5451, 6.2986, 81.2857**, and if you desaturate by 10%, it is **18.1045, 9.3596, 81.7416**.

Distribution



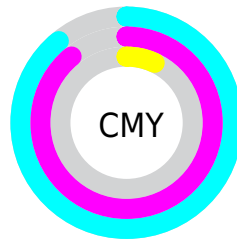
- Red (11%)
- Green (11%)
- Blue (93%)



- Red (11%)
- Yellow (11%)
- Blue (93%)



- Cyan (88%)
- Magenta (88%)
- Yellow (0%)
- Black (7%)



- Cyan (89%)
- Magenta (89%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3546, 7.2648, 81.4292 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 16.3546, 7.2648, 81.4292 by changing the saturation by 10% instead.

■ 16.3546, 7.2648,
81.4292

■ 16.3546, 7.2648,
81.4292

224.6546,
169.8462, 519.5696

■ 9.8679, 3.6283,
60.3621

■ 36.7652, 20.5040,
137.2027

■ 5.3730, 1.4679,
43.2833

■ 51.4198, 30.8754,
172.7463

■ 2.5047, 0.2659,
29.7744

■ 69.5277, 44.2605,
213.9523

■ 0.8976, 0.0000,
19.4169

■ 91.4543, 61.0438,
261.2394

■ 0.0000, 0.0000,
11.7920

■ 117.5649, 81.6096,
315.0262

■ 0.0000, 0.0000,
6.4814


■ 148.2250,

■ 0.0000, 0.0000,

106.3424, 375.7311

3.0665


 183.7997,
135.6264, 443.7727


 0.0000, 0.0000,
1.1287


 0.0000, 0.0000,
0.0000


 16.3546, 7.2648,
81.4292


 16.3546, 7.2648,
81.4292


 15.5451, 6.2986,
81.2857

 18.1045, 9.3596,
81.7416

 15.4474, 6.1807,
81.2681

 21.0010, 12.8385,
82.2604

 25.1957, 17.8848,
83.0134

 30.8168, 24.6537,
84.0237

■ 37.9770, 33.2818,
85.3117

■ 46.7778, 43.8921,
86.8958

■ 57.3120, 56.5968,
88.7929

■ 69.6656, 71.5001,
91.0184

■ 83.9186, 88.6991,
93.5869

Harmonies

Analogous

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



8.0690, 7.2648, 114.0814



16.3546, 7.2648, 81.4292



24.4144, 7.2648, 32.5010

Triad

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



16.3546, 7.2648, 81.4292



13.1864, 7.2648, 0.0000



0.4878, 7.2648, 11.5124

Complementary

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



16.3546, 7.2648, 81.4292



65.6966, 79.2312, 12.9286

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.



0.7435, 7.2648, 0.3954



16.3546, 7.2648, 81.4292



5.8586, 7.2648, 0.0000

Square

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



16.3546, 7.2648, 81.4292



21.9403, 7.2648, 0.0000



2.0491, 7.2648, 0.0000



1.0271, 7.2648, 48.6735

Rectangle

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



16.3546, 7.2648, 81.4292



26.9362, 7.2648, 11.0479



2.0491, 7.2648, 0.0000



0.4851, 7.2648, 5.4310

Sweetspot

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



16.3553, 7.2648, 81.4295



57.1763, 54.3086, 102.0768



46.4860, 67.5691, 91.4813



11.3918, 10.6038, 21.6963



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.



16.3553, 7.2648, 81.4295



18.0658, 7.2281, 95.0507



25.5199, 11.9894, 81.8584



14.9045, 15.2325, 19.8762



8.6212, 3.4498, 45.3394



0.7197, 0.2883, 3.7719

Inverse Universe

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



50.9556, 25.1195, 82.2548



59.0877, 28.3991, 95.9147



40.4564, 66.2193, 11.7474



16.4508, 16.0300, 19.9298



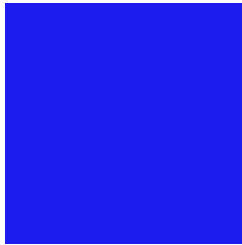
28.1867, 13.5471, 45.7614



2.3460, 1.1274, 3.8127

Previews

White Background



This preview shows how the XYZ color 16.3546, 7.2648, 81.4292 looks on a white background.

Color Contrast Check

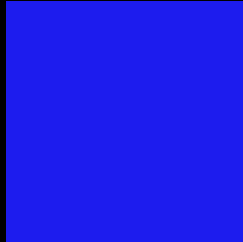
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.3546, 7.2648, 81.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

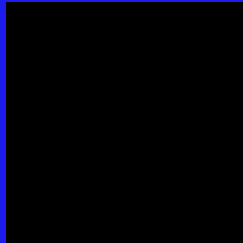
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3546, 7.2648, 81.4292

Background



This preview shows how black text looks on a background with the XYZ color 16.3546, 7.2648, 81.4292.



This preview shows how white text looks on a background with the XYZ color 16.3546, 7.2648,

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

16.3546, 7.2648, 81.4292

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

16.3546, 7.2648, 81.4292

Protanomaly

10.2529, 6.4581, 46.0536

Deuteranomaly

8.9153, 6.1674, 38.2567

Tritanomaly

6.9293, 5.7211, 26.7257

Monochromacy



Original Color

16.3546, 7.2648, 81.4292

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2927, 3.6193, 18.1889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3546, 7.2648, 81.4292 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(29, 28, 238)` looks like.

```
.text, #text, p{  
    color:rgb(29, 28, 238)  
}
```

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(29, 28, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 28, 238) }
```

Border

The CSS property to change the border of an element to XYZ 16.3546, 7.2648, 81.4292 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(29, 28, 238) }
```


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

```
.border{ border-color:rgb(29, 28, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 28, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 28, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 28, 238);  
box-shadow:4px 4px 4px 4px rgb(29, 28,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3546, 7.2648, 81.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 28, 238) }
```

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

```
.background{ background-color: rgb(29, 28,  
238) }
```

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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