

Converting Colors

XYZ(17.6016, 7.1283, 88.7273)

Have a look what the booklet for
XYZ(17.6016, 7.1283, 88.7273)
contains.

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Color

**XYZ(17.5515, 7.1087,
88.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	2500F7
RGB	37, 0, 247
RGB Percent	15%, 0%, 97%
CMY	0.8548, 1.0000, 0.0314
CMYK	0.85, 1.00, 0.00, 0.03
HSL	249°, 100%, 48%
HSV	249°, 100%, 97%
XYZ	17.5515, 7.1087, 88.4427
YIQ	39.2210, -57.2350, 84.6610

Conversions

Conversions Part 2

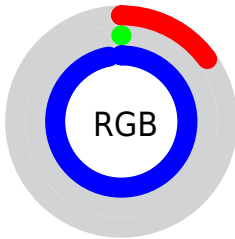
Format	Color
R _Y B	37, 0, 247
Decimal	2425079
CIE Lab	32.05, 77.60, -103.76
CIE LCh	32, 129.567, 306.793
Yxy	7.1087, 0.1552, 0.0629
Android (android.graphics.Color)	4280615159 (0xFF2500F7)
YUV	39.2210, 102.4350, -1.9478
Hunter-Lab	26.6621, 70.8465, -178.0111

Details

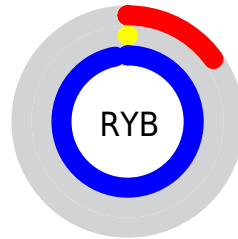
The XYZ color **17.5515, 7.1087, 88.4427** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **59.8316, 80.2195, 12.3304**, and the grayscale version is **1.8660, 1.9632, 2.1379**.

A 20% lighter version of the original color is **29.0556, 16.2385, 96.2107**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **17.5525, 7.1092, 88.4431**, and if you desaturate by 10%, it is **18.8761, 8.2982, 88.6028**.

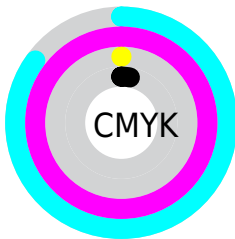
Distribution



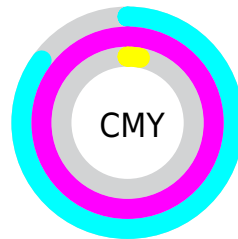
- Red (15%)
- Green (0%)
- Blue (97%)



- Red (15%)
- Yellow (0%)
- Blue (97%)



- Cyan (85%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (85%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5515, 7.1087, 88.4427 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 17.5515, 7.1087, 88.4427 by changing the saturation by 10% instead.

■ 17.5515, 7.1087,
88.4427

■ 17.5515, 7.1087,
88.4427

231.4256,
168.5639, 543.3907

■ 10.7262, 3.5302,
66.1233

■ 38.8077, 20.1916,
147.0899

■ 5.9490, 1.4144,
47.9154

■ 53.9693, 30.4647,
184.2548

■ 2.8544, 0.2273,
33.4004

■ 72.6404, 43.7381,
227.2053

■ 1.0773, 0.0000,
22.1597

■ 95.1863, 60.3963,
276.3599

■ 0.0060, 0.0000,
13.7749

■ 121.9725, 80.8235,
332.1373

■ 0.0000, 0.0000,
7.8273


■ 153.3641,


■ 0.0000, 0.0000,


105.4043, 394.9558


3.8985


 189.7267,
134.5229, 465.2341

 0.0000, 0.0000,
1.5698


 0.0000, 0.0000,
0.2691


 17.5515, 7.1087,
88.4427


 17.5515, 7.1087,
88.4427

 17.5525, 7.1092,
88.4431

 18.8761, 8.2982,
88.6028

 21.1299, 10.6089,
88.9300

 24.5016, 14.3368,
89.4719

 29.1189, 19.6674,
90.2574

■ 35.0914, 26.7577,
91.3112

■ 42.5164, 35.7458,
92.6547

■ 51.4822, 46.7557,
94.3073

■ 62.0698, 59.9010,
96.2866

■ 74.3546, 75.2869,
98.6089

Harmonies

Analogous

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



8.3702, 7.1087, 128.7806



17.5515, 7.1087, 88.4427



26.3947, 7.1087, 32.6794

Triad

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



17.5515, 7.1087, 88.4427



13.0859, 7.1087, 0.0000



0.2320, 7.1087, 12.8792

Complementary

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



17.5515, 7.1087, 88.4427



59.8316, 80.2195, 12.3304

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.



0.4657, 7.1087, 0.2942



17.5515, 7.1087, 88.4427



5.3650, 7.1087, 0.0000

Square

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



17.5515, 7.1087, 88.4427



22.8466, 7.1087, 0.0000



1.6523, 7.1087, 0.0000



0.8398, 7.1087, 56.2216

Rectangle

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



17.5515, 7.1087, 88.4427



28.9698, 7.1087, 9.9545



1.6523, 7.1087, 0.0000



0.2147, 7.1087, 5.8813

Sweetspot

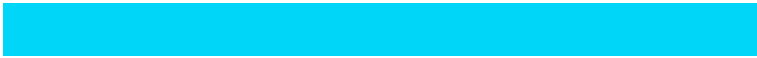
The Sweet Spot groups the original color and five complimentary colors.



17.5525, 7.1092, 88.4431



55.2972, 50.2031, 101.3834



40.8521, 54.8425, 96.4285



10.9208, 9.6181, 21.5308



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.



17.5525, 7.1092, 88.4431



18.8577, 7.6364, 95.0878



30.5829, 13.8267, 89.0529



15.8123, 16.0459, 20.8063



9.3552, 3.7971, 46.7779



0.8904, 0.3689, 4.1145

Inverse Universe

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



49.9874, 24.4260, 63.0355



53.7350, 26.2580, 67.7277



37.5327, 68.7239, 11.2869



17.1006, 16.7231, 20.2762



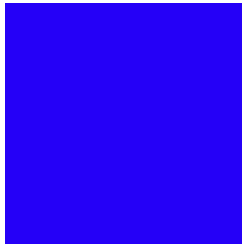
26.4788, 12.9350, 33.5595



2.3556, 1.1482, 3.0990

Previews

White Background



This preview shows how the XYZ color 17.5515, 7.1087, 88.4427 looks on a white background.

Color Contrast Check

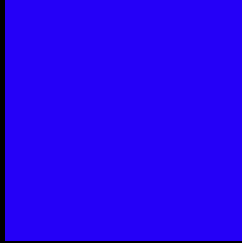
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5515, 7.1087, 88.4427 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 17.5515, 7.1087, 88.4427

Background



This preview shows how black text looks on a background with the XYZ color 17.5515, 7.1087, 88.4427.



This preview shows how white text looks on a background with the XYZ color 17.5515, 7.1087,

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

17.5515, 7.1087, 88.4427

Protanopia

8.2815, 7.2307, 31.5310

Deuteranopia

6.8927, 7.2307, 22.5051



Tritanopia

5.0517, 7.2183, 10.5782

Trichromacy



Original Color

17.5515, 7.1087, 88.4427

Protanomaly

10.2596, 5.7494, 48.1460

Deuteranomaly

8.8494, 5.3839, 40.1079

Tritanomaly

6.6735, 4.7992, 27.7687

Monochromacy



Original Color

17.5515, 7.1087, 88.4427

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

4.2415, 2.3451, 16.4488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5515, 7.1087, 88.4427 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(37, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(37, 0, 247)  
}
```

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(37, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 17.5515, 7.1087, 88.4427 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(37, 0, 247) }
```


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

```
.border{ border-color:rgb(37, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(37, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5515, 7.1087, 88.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 0, 247) }
```

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

```
.background{ background-color: rgb(37, 0,  
247) }
```

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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