

Converting Colors

XYZ(16.5213, 7.0572, 84.4919)

Have a look what the booklet for
XYZ(16.5213, 7.0572, 84.4919)
contains.

XYZ(16.5263, 7.0663, 84.4973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5263, 7.0663,
84.4973)**

Conversions

Conversions Part 1

Format	Color
Hex	1115F2
RGB	17, 21, 242
RGB Percent	7%, 8%, 95%
CMY	0.9332, 0.9177, 0.0510
CMYK	0.93, 0.91, 0.00, 0.05
HSL	239°, 90%, 51%
HSV	239°, 93%, 95%
XYZ	16.5263, 7.0663, 84.4973
YIQ	44.9980, -73.3250, 67.8830

Conversions

Conversions Part 2

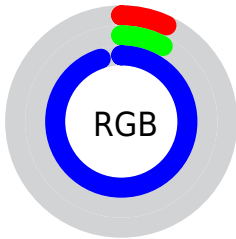
Format	Color
R _Y B	17, 21, 242
Decimal	1119730
CIE Lab	31.96, 72.36, -101.11
CIE LCh	32, 124.331, 305.590
Yxy	7.0663, 0.1529, 0.0654
Android (android.graphics.Color)	4279309810 (0xFF1115F2)
YUV	44.9980, 97.1220, -24.5542
Hunter-Lab	26.5825, 64.4537, -169.8562

Details

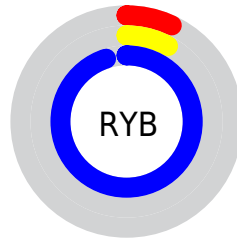
The XYZ color **16.5263, 7.0663, 84.4973** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **67.3107, 80.1001, 12.4453**, and the grayscale version is **2.4055, 2.5308, 2.7560**.

A 20% lighter version of the original color is **28.5201, 16.6618, 96.3206**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.0731, 6.5029, 84.4127**, and if you desaturate by 10%, it is **17.8807, 8.7461, 84.7504**.

Distribution



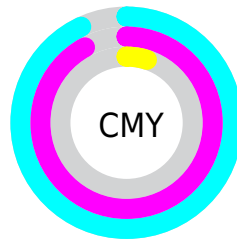
- Red (7%)
- Green (8%)
- Blue (95%)



- Red (7%)
- Yellow (8%)
- Blue (95%)



- Cyan (93%)
- Magenta (91%)
- Yellow (0%)
- Black (5%)



- Cyan (93%)
- Magenta (92%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5263, 7.0663, 84.4973 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 16.5263, 7.0663, 84.4973 by changing the saturation by 10% instead.

■ 16.5263, 7.0663,
84.4973

■ 16.5263, 7.0663,
84.4973

225.6374,
168.2135, 530.0643

■ 9.9905, 3.5036,
62.8783

■ 37.0596, 20.1065,
141.5385

■ 5.4549, 1.4000,
45.3024

■ 51.7879, 30.3527,
177.7979

■ 2.5540, 0.2167,
31.3510

■ 69.9777, 43.5956,
219.7744

■ 0.9226, 0.0000,
20.6056

■ 91.9944, 60.2195,
267.8868

■ 0.0000, 0.0000,
12.6476

■ 118.2034, 80.6089,
322.5534


■ 0.0000, 0.0000,
7.0585


■ 148.9700,


■ 0.0000, 0.0000,


105.1481, 384.1928

3.4197


 184.6596,
134.2215, 453.2236

 0.0000, 0.0000,
1.3127


 0.0000, 0.0000,
0.0722

 16.5263, 7.0663,
84.4973

 16.5263, 7.0663,
84.4973

 16.0731, 6.5029,
84.4127

 17.8807, 8.7461,
84.7504

 20.3365, 11.7497,
85.2008

 24.0635, 16.2757,
85.8779

 29.2022, 22.4896,
86.8065

■ 35.8743, 30.5351,
88.0078

■ 44.1886, 40.5410,
89.5009

■ 54.2441, 52.6241,
91.3032

■ 66.1318, 66.8923,
93.4307

■ 79.9365, 83.4460,
95.8983

Harmonies

Analogous

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



7.9674, 7.0663, 119.7170



16.5263, 7.0663, 84.4973



24.8997, 7.0663, 32.7964

Triad

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



16.5263, 7.0663, 84.4973



13.0725, 7.0663, 0.0000



0.3419, 7.0663, 11.5945

Complementary

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



16.5263, 7.0663, 84.4973



67.3107, 80.1001, 12.4453

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.



0.5988, 7.0663, 0.2599



16.5263, 7.0663, 84.4973



5.6036, 7.0663, 0.0000

Square

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



16.5263, 7.0663, 84.4973



22.1775, 7.0663, 0.0000



1.8441, 7.0663, 0.0000



0.8956, 7.0663, 50.7265

Rectangle

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



16.5263, 7.0663, 84.4973



27.4939, 7.0663, 10.6830



1.8441, 7.0663, 0.0000



0.3365, 7.0663, 5.3220

Sweetspot

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



16.5270, 7.0663, 84.4976



55.0394, 51.9969, 101.7433



46.9077, 69.5935, 89.1810



10.7745, 9.9199, 21.5968



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.



16.5270, 7.0663, 84.4976



18.0985, 7.3170, 95.0662



24.2576, 10.9524, 84.8402



14.9195, 15.2731, 19.8833



8.6448, 3.5138, 45.3505



0.7269, 0.3079, 3.7753

Inverse Universe

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



36.9545, 19.3337, 2.4929



41.2645, 21.2698, 2.0590



42.1737, 68.8652, 11.6017



15.7840, 15.7633, 16.4190



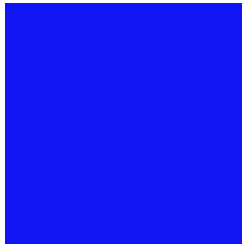
19.6891, 10.1481, 1.0135



1.6419, 0.8458, 0.1050

Previews

White Background



This preview shows how the XYZ color 16.5263, 7.0663, 84.4973 looks on a white background.

Color Contrast Check

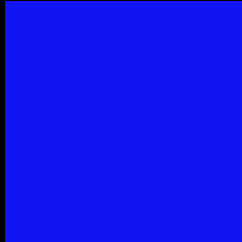
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5263, 7.0663, 84.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

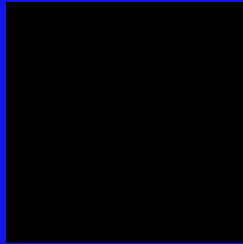
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5263, 7.0663, 84.4973

Background



This preview shows how black text looks on a background with the XYZ color 16.5263, 7.0663, 84.4973.



This preview shows how white text looks on a background with the XYZ color 16.5263, 7.0663,

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

16.5263, 7.0663, 84.4973

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.6163, 6.8927, 21.7506



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.5263, 7.0663, 84.4973

Protanomaly

10.1052, 6.0877, 46.5414

Deuteranomaly

8.7939, 5.8673, 38.6992

Tritanomaly

6.6489, 5.2536, 26.6502

Monochromacy



Original Color

16.5263, 7.0663, 84.4973

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.5349, 2.9034, 17.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5263, 7.0663, 84.4973 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(17, 21, 242)` looks like.

```
.text, #text, p{  
    color:rgb(17, 21, 242)  
}
```

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(17, 21, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 21, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.5263, 7.0663, 84.4973 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(17, 21, 242) }
```


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

```
.border{ border-color:rgb(17, 21, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 21, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 21, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 21, 242);  
box-shadow:4px 4px 4px 4px rgb(17, 21,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5263, 7.0663, 84.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 21, 242) }
```

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

```
.background{ background-color: rgb(17, 21,  
242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor